

## **EXPANDED SITE INSPECTION-LETTER REPORT** FLOWEN OIL DELAWARE VALLEY, INC. **NEWARK, NEW JERSEY**

CERCLIS ID No.: NJD980536577

Prepared by: **Region II Site Assessment Team** Weston Solutions, Inc. Edison, New Jersey

Prepared for:

#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

EPA Contract No.: 68-W-00-121 W.O. No.: 20103.001.001.1015.00 Document Control No.: 20103.1015.555

October 2003

SUBMITTED BY:

William H. Morrison

Date 10/2/2003

**SAT Project Manager** 

W. Scott Butterfield, CHMM

SAT Program Manager

#### Introduction

This Expanded Site Inspection (ESI). Letter Report provides a description of the Flowen Oil Delaware Valley, Inc. site and a discussion of the on-site reconnaissance conducted to determine the priority for no further action under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This Letter Report was prepared instead of a full ESI report as the site handled products that are subject to petroleum exclusion.

### **General Description and Site History**

The Flowen Oil Delaware Valley Corporation site is located at 1800 Carman Street in Camden, Camden County, New Jersey. The site exists on a rectangular parcel, Block 1431, Lot 1, approximately 2 acres in size. The site is completely flat, paved, fenced, and surrounded by a 6-inch curb. The site is bordered to the north by Carman Street, and to the west, south and east by vacant lots (Ref. 1; 2, pp. 2, 7; 4; pp. 3, 5 through 7, 34 through 37, 126 and 127, 638; 6, pp. 3 through 5; 8; 7, pp. 86 and 87).

On 10 June 1981, the New Jersey Department of Environmental Protection (NJDEP) issued a Certificate of Approved Registration and Engineering Design Approval to Flowen Oil Delaware Valley, Inc. for a waste oil recycling plant, which began operations in 1981 (Ref. 2, pp. 2 through 4, 44 and 45; 4, p. 107; 7, p. 32). This approval was modified in April 1983 (Ref. 4, pp. 644 through 646). The facility was permitted to accept various waste oil types, bottom sludge, and residue generated from the following: tank cleanouts of residential/commercial fuel tanks, gasoline stations. tank testing, tank truck and mobile vessel cleanouts, oil spill cleanups, and the draining, cleaning, or disposal of electric transformers. These are identified as NJDEP hazardous waste numbers X721, X722, X723, X724, X725, X726, X727, X728, X900, D001. Other wastes which the facility was permitted to accept were dissolved air flotation (DAF) floats, all byproducts of the petroleum refining industry, and waste oil bearing liquids having a flash point between 100° and 140° F. These are identified as EPA hazardous waste numbers K048, K049, K050, and K051 (Ref. 2, pp. 44) through 46; 4, pp.3, 79 and 80, 117 and 118, 125, 374, 390, 410 and 411, 646, 651 through 653, 658, 661 through 664, 723 and 724). This facility consisted of an office, lab, process house, boiler house, incoming waste tank farm, finished product tank farm, and wastewater pretreatment system (Ref. 1, pp. 1 through 3; 2, p. 9; 4, pp. 3, 407 through 410, 434 and 435; 6, pp. 3 and 4). After the wastewater is passed through the on-site wastewater pretreatment system, it is carried by the City of Camden sewer system to the Camden Municipal Utilities Authority (CCUMA) main sewage treatment plant, located in the City of Camden. The CCMUA discharges to the Delaware River (Ref. 1, pp. 1 through 3; 2, p. 9; 4, pp. 3 through 6, 34 through 37; 9, pp. 1 through 3). Numerous spills and violations occurred at the facility while it was under ownership by Flowen Oil Delaware Valley, Inc. Some of the violations were issued for excessive amounts of oil on the ground and others were issued for discharging to the City of Camden sewer system (Ref. 2, pp. 23 through 34, 36 through 43, 51 and 52; 4, pp. 7 through 9, 766 through 863). This facility has had numerous air permits. Of these, 19 permits were issued for storage tanks, and six were issued for stacks. No evidence of violations was found within background information. (Ref. 4, pp. 7 through 9, 481 through 504).

The NJDEP conducted a Preliminary Assessment (PA) at the Flowen Oil site in 1986. The PA recommended low priority be given to the site for further action because the NJDEP was already taking action for Flowen's violations. The contaminants of concern listed in the PA were benzene, toluene, and xylene, which are products associated with the site's oil recycling activities (Ref. 2, p. 2).

On July 6, 1988, Northeastern Analytical Corporation in association with James C. Anderson Associates, Inc., conducted a ground water quality investigation and installed and sampled three monitoring wells on site. The purpose of this investigation was to assess the groundwater quality for property administration, as directed by Lilley & Associates, Inc. (Ref. 3, pp. 1 through 47). The samples were analyzed for volatile organic compounds, petroleum hydrocarbons, total organic carbon, metals, pH, and total dissolved solids (Ref. 3, p. 9). No concentrations above the detection limits were reported (Ref. 3, pp. 13 through 19). In 1989, the Remtech Environmental Group, Inc. (a.k.a. Resource Management Technologies) purchased the property from Flowen Oil and continued operations at the site (Ref. 4, pp. 346 through 525; 7, pp. 32, 45, 72).

On 5 March 1991, NUS Corporation, on behalf of EPA Region II, collected groundwater samples as part of a CERCLA Site Inspection (SI). One downgradient sample was collected. No up gradient samples were collected as one monitoring well was dry and the other was not accessible on the day of sampling. Trans-1,2-dichloroethene was detected at 11 parts per billion (ppb), which is well below the NJDEP groundwater quality criterion of 100 ppb. In addition elevated levels of metals were also detected, these were aluminum (21,200 ppb), beryllium (8.6 ppb), chromium (117 ppb), iron (110,000 ppb), lead (375 ppb), and manganese (1180 ppb). The SI report made a recommendation for an Expanded Site Inspection (ESI). This was due to the potential for groundwater contamination, resulting from the history of on-site spills. A large population was identified as being served by potable wells within 4 miles; though, no wells were identified within 0.5 mile of the site (Ref. 4, pp. 3 and 4, 13 through 23, 37, 898 through 943; 12, pp. 1 and 2, 5).

In 1993, the EPA chose to include the Flowen Oil site on a list of seven sites in the Comprehensive Environmental Response, Compensation, and Information System (CERCLIS) for the Camden area, as potential sources of contamination to the Camden Municipal Wells and the Puchack Well fields (Ref. 5, p.1).

Ebasco, under the EPA Region II Alternative Remediation Contracting Strategy (ARCS) contract, conducted a Site Inspection Prioritization (SIP) in 1995. The report concluded that the Flowen Oil site was not eligible for action under CERCLA. At the time the report was issued, the site was classified as a treatment, storage, and disposal facility under RCRA and was deferred to that program (Ref. No. 6, pp. 2 through 6).

The site was acquired by its current owner/operator, Clean Venture/Cycle Chem (CVCC) in 1997. Prior to the sale of the property to CVCC, Remtech filed a General Information Notice (GIN) with the NJDEP Bureau of Field Operations, as required under the Industrial Site Recovery Act (ISRA) (Ref. 7, pp. 4 through 55). The ISRA investigation was limited to the office building and associated

fuel oil tank, and the laboratory building. An ISRA PA/SI was completed for the site by RT Environmental Services in April 1997. The report recommended "no further investigation" for the office/laboratory portion of the property (Ref. 7, pp. 56 through 95).

In December 2002, CVCC filed a GIN under ISRA as they planned to sell the site to Lorco Petroleum Services of Elizabeth, New Jersey (Ref. 7, pp. 100 through 103). As the PA/SI under ISRA had been completed only a few years before, CVCC filed an "Expedited Review Application" in January 2003 (Ref. 7, pp. 107 and 108). In May 2003, the NJDEP indicated that a no further action determination under ISRA was warranted but did not cover the product/waste storage areas regulated under the Resource, Conservation, and Recovery Act (RCRA). These areas have been addressed under a RCRA closure plan. (Ref. 7, pp. 110 through 112; 13, pp. 1 and 2).

CVCC ceased operations at the site on 15 June 2003. At the time of the Region II SAT's on-site reconnaissance on 20 August 2003, the site was inactive. All waste oil and recycled products had been removed, and machinery utilized in the processing of waste products had also been removed from the site. The layout of the Flowen Oil site appeared to be unchanged, relative to previous site documentation, with the exception of two warehouse buildings constructed by CVCC on the east side of the property on formerly vacant land. All containment dikes around storage tanks were still in place, as well as channels for the collection of rainwater runoff and spills (Ref. 1, pp. 2 and 3; 9, pp. 1 through 3).

On 30 September 2003, the NJDEP Office of Permitting and Technical Programs issued a letter of "Acceptance of Closure Certification and Termination" to CVCC. In the letter, the NJDEP indicated that the NJDEP Bureau of Resource Recovery and Technical Programs (Bureau) had reviewed sampling data submitted by CVCC and conducted their own on-site inspections to verify CVCC's "current facility status as well as the retrospective decontamination of the facility's storage and treatment units". Based on the Bureau's observations and CVCC's data submittals, the site's used oil recycling storage and treatment units were accepted for closure (Ref. 13, pp. 1 and 2).

Currently, the nearest wells are located approximately 1.5 miles up gradient from the Flowen Oil site, owned an operated by the Merchantville-Pennsauken Water Company. There are also wells located approximately 1.8 miles from the Flowen Oil site, on the south bank of the Cooper River, owned and operated by the Collingswood Water Department. The Flowen Oil site is located north of the Cooper River. There are approximately 109,000 people drinking well water that originates from wells within the 4-mile target distance limit around the Flowen Oil site (Ref. 10, pp. 1 through 57; 11).

#### Conclusion

Observations made by the Region II SAT on 20 August 2003 indicated that there was no evidence, or the presence of, hazardous waste at the Flowen Oil site. The site was closed effective 15 June 2003. In addition, the nearest potable wells are located over 1-mile upgradient from the site and are not suspected to be contaminated by site activities.

Based on an evaluation of the above conditions, a recommendation of **NO FURTHER REMEDIAL ACTION PLANNED (NFRAP)** is given to the Flowen Oil Delaware Valley site.

#### REFERENCES

- 1. Region II SAT, Filed Logbook No. SAT.015.001, Flowen Oil Delaware Valley, On-Site Reconnaissance, 20 August 2003.
- 2. Preliminary Assessment Report for the Flowen Oil Delaware Valley Site, City of Camden, Camden County, New Jersey, prepared by the NJDEP, 1986.
- 3. Ground Water [sic] Quality Investigation, prepared by Northeastern Analytical Group, 1988.
- 4. Site Inspection Report, Flowen Oil Delaware Valley Site, City of Camden, Camden County, prepared by NUS, Inc., 28 June 1991.
- 5. Memorandum for the U.S. EPA, to file, Subject: Camden Municipal Wells, NJD980769807, and Puchack Wellfield, NJD981084767, as Alias Sites, 12 August 1993.
- 6. Site Inspection Prioritization Report, Flowen Oil Delaware Valley Site, prepared by Ebasco, Inc., 1 March 1995.
- 7. Project Note: From William H. Morrison to Flowen Oil File; Subject: Remtech & Clean Venture/Cycle Chem ISRA File, 25 September, 2003.
- 8. Site Location Map, from U.S.G.S. 7.5 Minute Series Topographic Quadrangle for "Camden, NJ", 1967, revised 1994.
- 9. On-site Reconnaissance photographs, Flowen Oil Delaware Valley Site, 20 August 2003.
- 10. Project Note: From William H. Morrison, Region II SAT, to Flowen Oil Site file, Subject: Well Population Apportionment, 1 August 2001.
- 11. Figure 1: Four Mile Radius Map Flowen Oil Delaware Valley Site, Camden, Camden County, NJ; Compiled from U.S.G.S. 7.5 Minute Series Topographic Quandrangles for "Camden, NJ" 1967, revised 1994; "Frankford PA-NJ", 1967, photorevised 1983; "Germantown, PA", 1967, photorevised 1983; "Philadelphia PA-NJ", 1967, revised 1994.
- 12. NJDEP Groundwater Quality Criteria, from NJDEP website <a href="http://www.state.nj.us/dep/wadershedmgt/gwqs\_table1.htm">http://www.state.nj.us/dep/wadershedmgt/gwqs\_table1.htm</a>, 2001.

13. Letter from Thomas Sherman, Assistant Director, NJDEP Office of Permitting and Technical Programs, to Mr. Michael Persico, President of Clean Venture/Cycle Chem; Subject: Acceptance of Closure Certification and Termination of the Class D Recycling Center General Approval, for the Clean Venture, Inc. Used Oil Recycling Center, 1800 Carman Street, Camden City, Camden County, New Jersey; Facility Registration Number 0408001464, 30 September 2003.

# Reference No. 1

Flaver Oil Delaware Valley 3/20/2003 I William Marian of Region It SAT arme at site extrance, Will mait for 6930 Denise Zeno of EAD (02) to arrive poor to entering site. Weather today 100 805 M-Jenallan Skte Grassy Adopleis ucral Door 12477+ site 160mp Pinedo Fie ( weeds etc vesturd Tyle(?) Alleback 7 9 5t. 002 8/20/2003

Flown OI Delawere Valley 8/2/203 I have completed tour of the 5950 schoulding area, I dosine that there are no storm drains on Cerman Street adjutent to the meetal Muhoel Person of CVCLs 1000 Site has been shotdener since Time 15. QC test & BldZ. PCBs, eta No Recent Montany well samples Site is in processof berry shed down water is purped from treatment area to ozene. Tank an size for oriene and Activated corbin = Dokes and entire touthy to centain spills adulaternator Inverof Facility is for recycled products will have letter of closer from the state, Denise 2000 and William Mornison Depart 1030 site. Note: Warehouse buildings on the east side of the property we constructed by CV(C in 1999. Tella 4. Morrison 8/20/2003

003

# This Page Intentionally Left Blank

# Reference No. 2

# PA REASSESSMENT COVER SHEET

	FACILITY NAME: Flower Oil
	EPA 1.D. 4:NJD980536577
	ORIGINAL PRIORITY: Low
	REVIEWED BY :
	REASSESSED PRIORITY : Med.
	COMMENTS: Reprocessing facility for used oils, Flower
	vehicles collect the waste oil from customers and bring
),	it back to the Camden facility to be reprocessed. There
•	have been several reports of spill incidents and it
	is suspected that the facility is not properly nin
	NJDEP-BFO and CCMUA are taking regulatory
	action against the company. (: site is Med-Defined
NJOE	P-DWM inspection reports state oxcussive amounts of oil on
	the ground around the tank farm.
	Not enough into to score
	PREPARER: (Namey DATE: 3/2/89



FLOWEN OIL 1800 Carmen Avenue Camden/Camden County

Flowen Oil Delaware Valley Corp. is a reprocessing facility for used oils. Flowen Oil vehicles collect the waste oil from customers and bring it back to the Camden Pacility to be reprocessed.

Although their process is similar to most reprocessing companies, Flowen Oil does not have the quality control that other companies have. Reports of several spill incidents and internal administrative problems suggest that the company is not well run.

However, since the facility does have some environmental control, and NJDEP-BFO and CCMUA are taking regulatory action against the company, I am giving this site a low priority.

Helen E. Kornitas HSMS IV

Hours Worked: 32



# Preliminary Assessment

FLOWEN OIL DELAWARE VALLEY 1800 Carmen Avenue Camden/Camden County

001

30

2	FPΔ

# POTENTIAL HAZARDOUS WASTE SITE

	FICATION
OI STATE	02 SITE HUMBER
NJ i	l 0980536577

SEPA PART	Preliminary 1 - Site informa			INI	0980536577
IL SITE NAME AND LOCATION		<del></del>			
OT BITE HAND Rages, common, or discompany nation of easy		02 STREE	T. NOUTE NO., OF	SPECIFIC LOCATION IDENTIFIES	
Flowen Oil Delaware Valley (	Corp.	1	Carmen A		-
es caty		DA STATE	06 2P COOS	06 COUNTY	107 COUNTYIOS CONG
Camden	•	NJ	08105	Camden	COOL DIST
09 COORDINATES LATITUDE	ONGITUDE	ļ			<del></del>
	06'_00''	R1	ock 1431,	1 o t 1	# Helphan
10 DIRECTIONS TO SITE (Storing your region) guide reed)		<u> </u>	OCK 1431	LUCI	
Take Rte. 70 West to Marlton left onto Federal St. Take down on the corner of 17th &	this to 17th	Marl Stre	ton Pike et. Make	to Federal Stree a left. Site	eet. Make a is one block
O1 OWNER of second		02 1786	T (Basses own)		
Stockholders based in Texas				<del></del>	
SOUTY		DA STATE	04 2P COOE	OG TELEPHONE NUMBER	<u> </u>
		TX	Us ar code	( )	- 1
OT OPERATOR IT became and attended their amount			T (Butanes), manny,		
Archie Bilsland		i	· · ·		
OPCITY	<del></del>			en Avenue	
Camden		NJ	08105	12 TELEPHONE NUMBER	
13 TYPE OF OWNERSHIP (Cross eng)			00.00	609 365-554	
### FRIVATE   B. FEDERAL:	(Agency name)		_ D C. STAT	TE DD.COUNTY DE.	MUNICIPAL
- A. ACRA 3001 DATE RECEIVED: MICHTH DAY YEA	_ D & UNCONTROL	LED WAST	E SITE (CERCIA II	DATE RECEIVED	/ / Mc None
IV. CHARACTERIZATION OF POTENTIAL HAZAR	^			HONT	DAY YEAR
01 ON SITE INSPECTION BY	Chart of the Annual	<del></del>			
TO VES DATE 3 27 84 DE MONTH DAY YEAR	D ICHOEL OF PRELICIPATION A. EPA D 8. EPI E. LOCAL HEALTH OFF	A CONTRA ICIAL (	ACTOR TO THER:	C. STATE D. OTH	IER CONTRACTOR
	NTRACTOR NAME(S):			~~~//	
OZ SITE STATUS (Course many	03 YEARS OF OPER		1	4	
図 A. ACTIVE D B. INACTIVE D C. UNKNOWN	( · ·	MG Grand V	I DY (	esent Dunkok	OWN
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNO	WN, OR ALLEGED			·-·-	· · · · · · · · · · · · · · · · · · ·
Benzene, Toluene, Xylene and		icts a	ssociate	d with oils and	waste oils.
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT	WOIDS POPULATION			<del></del>	
There is a potential for conthe nature of the waste, it	ntamination o may not be a	of the seri	environ ous haza	ment. However, rd.	because of
V. PRIORITY ASSESSMENT	······································				
D1 PRIORITY FOR INSPECTION (Chocs one. If again or measure a shoot	ed. complete Parl 2 - Waste Site	mason and P	ri 3 - Doserman of M	Al andbut Conditions and included	
A. HIGH B. MEDIUM (maposium required promotily)	SEC. LOW		(NO)	NE other action recoded, semprore surrors a	Nephodalan Marily
VI. INFORMATION AVAILABLE FROM					
D1 CONTACT	02 OF (Agency/Organi	*****			03 TELEPHONE NUMBER
Helen E. Kornitas		/HSMA	ı		609,633-2218
04 PERSON RESPONSIBLE FOR ASSESSMENT	08 AGENCY	DS DRC	ANIZATION	01 TELEPHONE NUMBER	
Helen E. Kornitas	NJDEP	1	SMA	609   633-22	

EPA FORM 2070-12 (7-81)

-4				
1			<b>7</b>	Λ
~~	70	-		<u> </u>
•		-		

# POTENTIAL HAZARDOUS WASTE SITE

	<b>FICATION</b>
DI STATE	OS SITE NUMBER
	h980536571

SE	**			ASSESSMENT EINFORMATION	t	NJ 09805	36577
IL WASTES	TATES, QUANTITIES, AN	O CHARACTER	BTICS				
	TATES (Constantination)  CE E. SLUMMY R. PINES 32 F LIQUID LI G GAS	02 WASTS QUANT (MARINE) (MARINE) (MARINE) (TOHS)	ITY AT BITE	JE A. TOXIC LJ B. CONNO LJ C RADION LJ D PERSIS	CTIME L' G FLAM	BLE LI I. MOHLY N TIOUS LI J. EXPLOS MAGLE LI M. REACTR	ME ME ATIBLE
(Secrey) NO. OF DRUMS		NO. OF DRUME	5100 capaci	у			
III. WASTE T							
CATEGORY	SUBSTANCE N	AME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS		
SLU	SLUDGE	···					
Orw	OILY WASTE		5100	drums	storage o	capacity	
SOL	SOLVENTS						
PSO	PESTICIDES						
occ	OTHER ORGANIC CH		·				
1OC	INORGANIC CHEMIC	ALS					
ACD	ACIDS		·	·			
BAS .	BASES	· · · · · · · · · · · · · · · · · · ·	<u> </u>				
MES	HEAVY METALS						
	OUS SUBSTANCES		ny acad GAS Aumbors	·			
01 CATEGORY	02 SUBSTANCE N	AME.	OJ CAS NUMBER	04 STORAGE DIS	POSAL METHOD	05 CONCENTRATION	DO MEASURE OF CONCENTRATION
OLW.	Waste Oils		999	Above gro	und tank		
				farms			
-	<del></del>						
	T		<u> </u>			1	
						·	
	<u>.</u>						
					<del></del>		<del>                                     </del>
				<del></del>			†
			1				
						-	<del> </del>
		<del></del>			<del></del>	<del></del>	<del> </del>
				<del> </del>		+	<del> </del>
	Carrier and Carrier	<del></del>		<del></del>	<del>~~~</del>		
				<del></del>	<del></del>		
				<u> </u>		<del></del>	
V EEEDSTA	CKS (bee Assessed for CAS Number	<del></del>	<u> </u>	<u> </u>	<del></del>		
CATEGORY	······					<del> </del>	
	O1 FEEDSTOCK	CNAME	02 CAS NUMBER	CATEGORY	O1 FEEDS1	OCK NAME	02 CAS NUMBER
FDS				FDS			
FD\$				FD\$			
FDS				FDS			
FOS				FUS			
VI. SOURCES	OF INFORMATION ICAL	wecas references, e y	side less, construently analysis	TOOK !			<del></del>
Letter	ormation is ta upplement to A to Senator Ran om Steve Carfo	d from Jac	n for Solid ck Stanton-	Waste Perm	it (Attachr	nent A)	

EPA FORM 2070-12 (7-81)

**\$EPA** 

# POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDEN

L IDENTIFICATION

O1 STATE 02 DTE NAMES

NJ 0980536577

A. GROUNDWATER CONTAMINATION	02 OBSERVED (DATE.	POTENTIAL	CI ALLEGED
POPULATION POTENTIALLY AFFECTED:	04 NARRATIVE DESCRIPTION		
contained discharges of oil ttachment D)	may penetrate soil and reac	h groundwater.	
A B. SURFACE WATER CONTAMINATION	02 L OBSERVED (DATE	) K POTENTIAL	C. ALLEGED
POPULATION POTENTIALLY AFFECTED:	Q4 NARRATIVE DESCRIPTION	•	
lthough surface water contami s possible. (Attachment E)	nation is highly unlikely,	if oil is unco	ntained, i
1 13 C CONTAMINATION OF AIR 3 POPULATION POTENTIALLY AFFECTED:	02 C OBSERVED (DATE 04 NARRATIVE DESCRIPTION	CJ POTENTIAL	C: ALLEGED
•	· · · · · · · · · · · · · · · · · · ·		
1 (.) D. FIRE/EXPLOSIVE CONDITIONS 3 POPULATION POTENTIALLY AFFECTED:	02 CJ OBSERVED (DATE	_) [] POTENTIAL	L ALEGED
•			
		P371,47.41	ALLEGED
3 POPULATION POTENTIALLY AFFECTED			
,			
DI K F CONTAMINATION OF SOIL	02 M OBSERVED (DATE: 8/20/85	I G POTENTIAL	O ALLEGED
	04 NARRATIVE DESCRIPTION		
(Acros)		/	-1
Oil Spill contaminated soil l	ocated on a nearby resident	s land. (Atta	chment D)
oil spill contaminated soil l	O2 () OBSERVED (DATE		Chment D)
(Acres)	02 () OBSERVED (DATE	विविद्योग्य, व्य	
oil spill contaminated soil l	02 () OBSERVED (DATE	विविद्योग्य, व्य	
Dil Spill contaminated soil length of the spill contaminated soil length of the spill contamination of the spill contamination of the spill contamination of the spill contaminated contamination of the spill contaminated contam	02 () OBSERVED (DATE	POTENTIAL	L) ALLEGED

9	FI	
V		

A FORM 2070-12 (7-81)

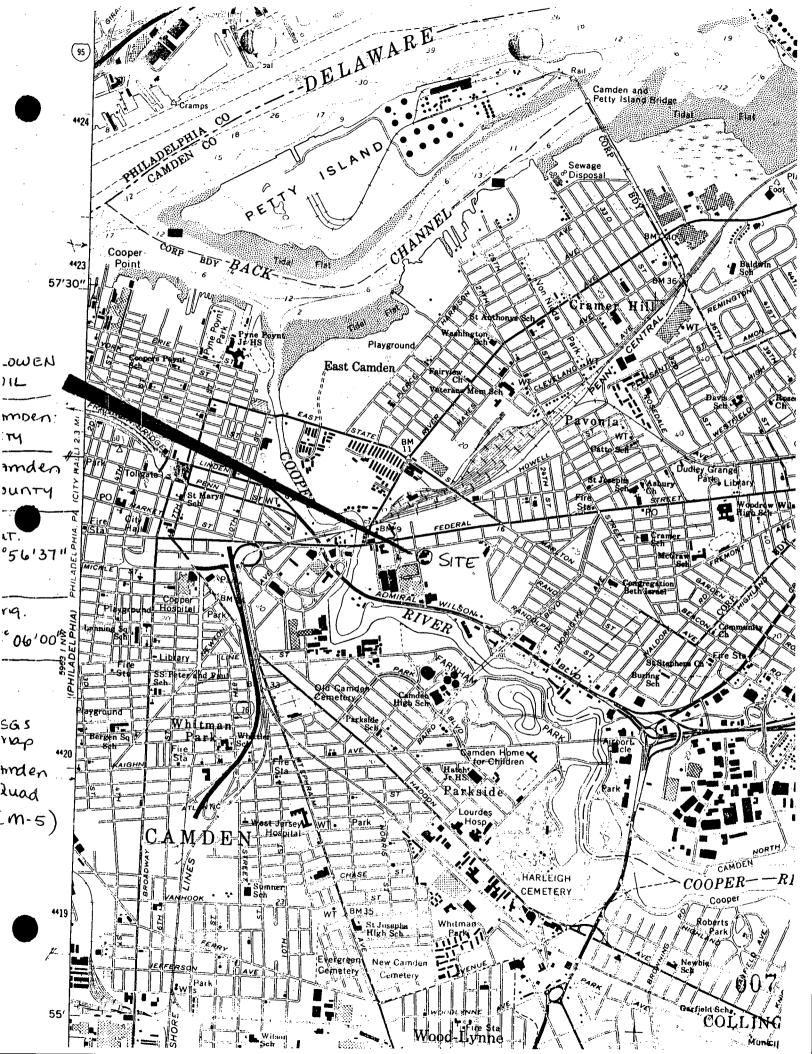
#### POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT

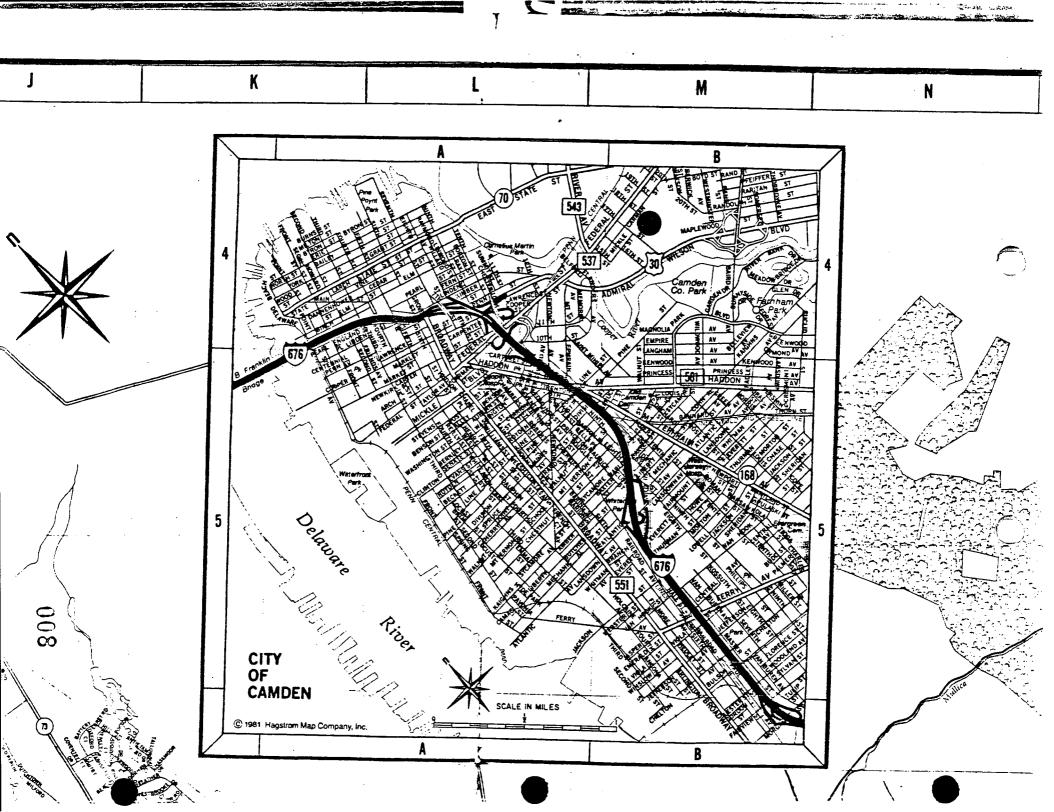
L IDENTIFICATION

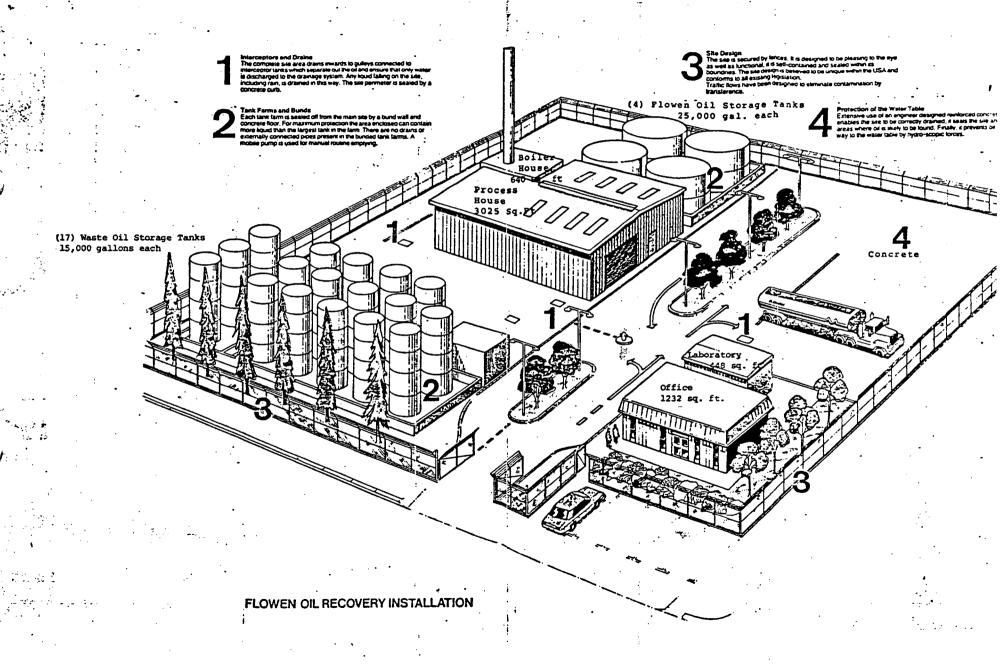
PART 3 - DESCRIPTION OF	F HAZARDOUS CONDITIONS AND INCIDE	NTS L	
HAZARDOUS CONDITIONS AND INCIDENTS (CHIRALES			
D1 () J. DAMAGE TO PLORA D4 NARRATIVE DESCRIPTION	02 [] OBSERVED (DATE:	) D POTENTIAL	C ALLEGED
	•		
OT C. K. DAMAGE TO FAUNA A NARRATIVE DESCRIPTION (MANUEL ASSESSED ASSESSED)	02 C OBSERVED (DATE:	) C POTENTIAL	D ALLEGED
01 C L CONTAMINATION OF FOOD CHAIN 24 NARRATIVE DESCRIPTION	02 C OBSERVED (DATE:	) © POTENTIAL	- ALLEGED
THE ALLENGTER CONTAINAGET OF WASTER			
OT SE M UNSTABLE CONTAINMENT OF WASTES (Activities received received division of the contained of the contai	© OBSERVED (DATE	) D POTENTIAL	□ ALLEGED
Several spills have occurred or were not. (Attachment D)		were containe	d, but a fe
ATIVE DESCRIPTION	02 00 003ERVED (DATE _8/20/85	) D POTENTIAL	O ALLEGED
from a Flowen Oil truck con	ntaminated soil at Penn Jer	sey Auto yard	and a
neighboring resident's yard.	(Attachment D)		
1) X () CONTAMINATION OF SEWERS, STORM DRAINS, W	WTPs 02 BLOBSERVED (DATE _3/30/83	) D POTENTIAL	O ALLEGED
An oil-water seperator failed a system. (Attachment F)	and oil was discharged into	the city sto	rm drain
1 & F. ILLEGAL/UNAUTHORIZED DUMPING 4 NAFRATIVE DESCRIPTION	02 X 08SERVED (DATE: 12/9/83	) D POTENTIAL	[] ALLEGED
DWM inspection reports state exincoming tank farm. (Attachmen	xcessive amounts of oil on nt G)	the ground ar	ound the
5 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR	ALLEGED HAZAROS		
TOTAL PCIPULATION POTENTIALLY AFFECTED:			
. COMMENTS			
Over the past few years, there company should be more careful in the future.	have been several spills d in their process to preven	ue to neglige t this from h	nce. The appening
SOURCES OF INFORMATION (Con sponds references, 9 , 44	de mos sampre proyek, reportsj		
Incident Report (8/20/85) Amended Notice of Violations Letters concerning oil-water se	(5/14/84) (Attachment E)	t F)	

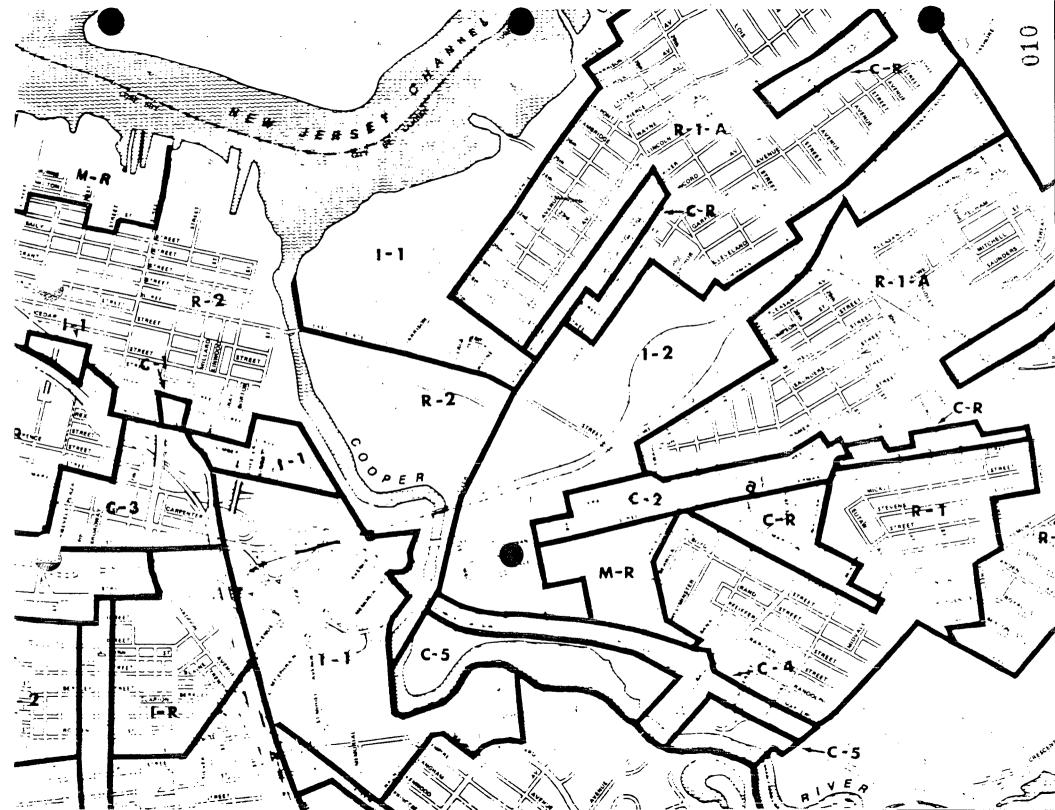
# PRELIMINARY ASSESSMENT FILE SEARCH

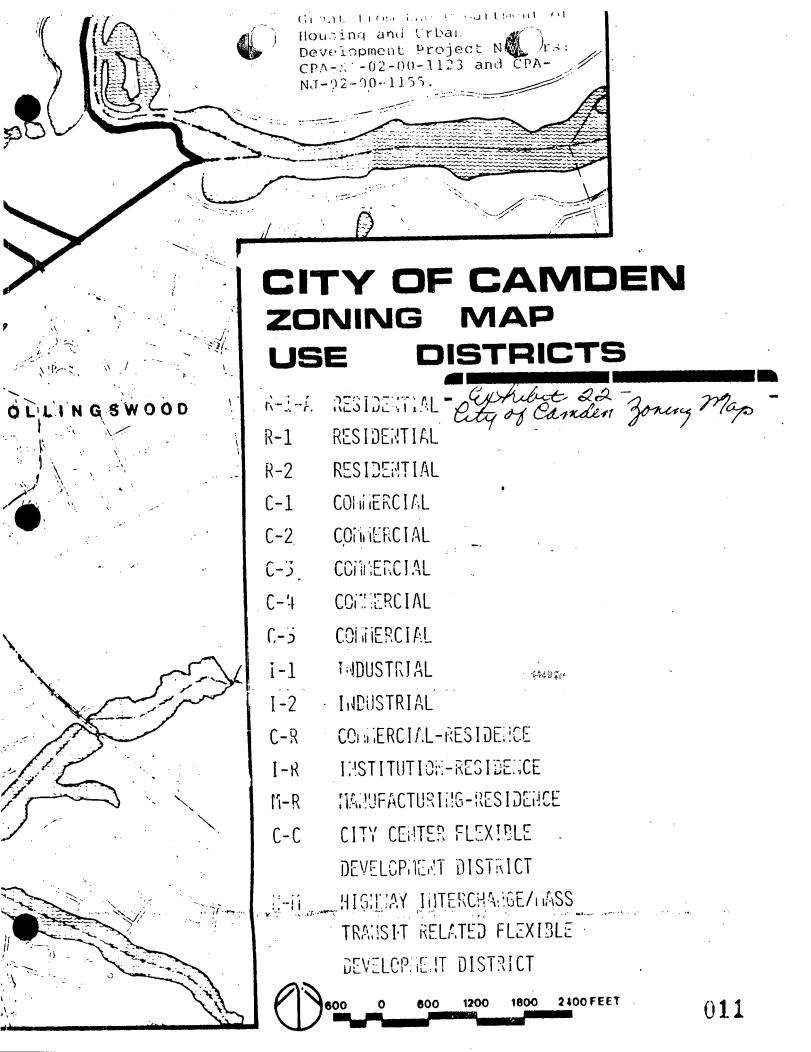
DIVISION OF WATER RESOURCES:  A. Enforcement  B. Groundwater  C. Other  DIVISION OF WASTE MANAGEMENT:  A. HSMA  B. Enforcement Red Lion-Mike (Files)	
B. Groundwater  C. Other  DIVISION OF WASTE MANAGEMENT:  A. HSMA  B. Enforcement Red Lion-Mike (Files)	
C. Other	
B. Enforcement Red Lion-Mike (Files)	
B. Enforcement Red Lion-Mike (Files)	
B. Enforcement Red Lion-Mike (Files)	
$\cdot$	
C. Splid Waste	
ENVIRONMENTAL QUALITY:	
A. Air Pollution	
B. Pesticides	
C. Other	٠.
DIVISION OF FISH AND CAME:	
OFFICE OF SCIENCE AND RESEARCH:	
A. Industrial Survey	
B. Other	
N.J. DEPARTMENT OF HEALTH:	
LOCAL AUTHORITIES:	
A. Health Department	
11. Town or County Glerk CCMUA 541-5200 Mr. Palme	_
UNITED STATES GOVERNMENT:	
A. LPA	
B. other	

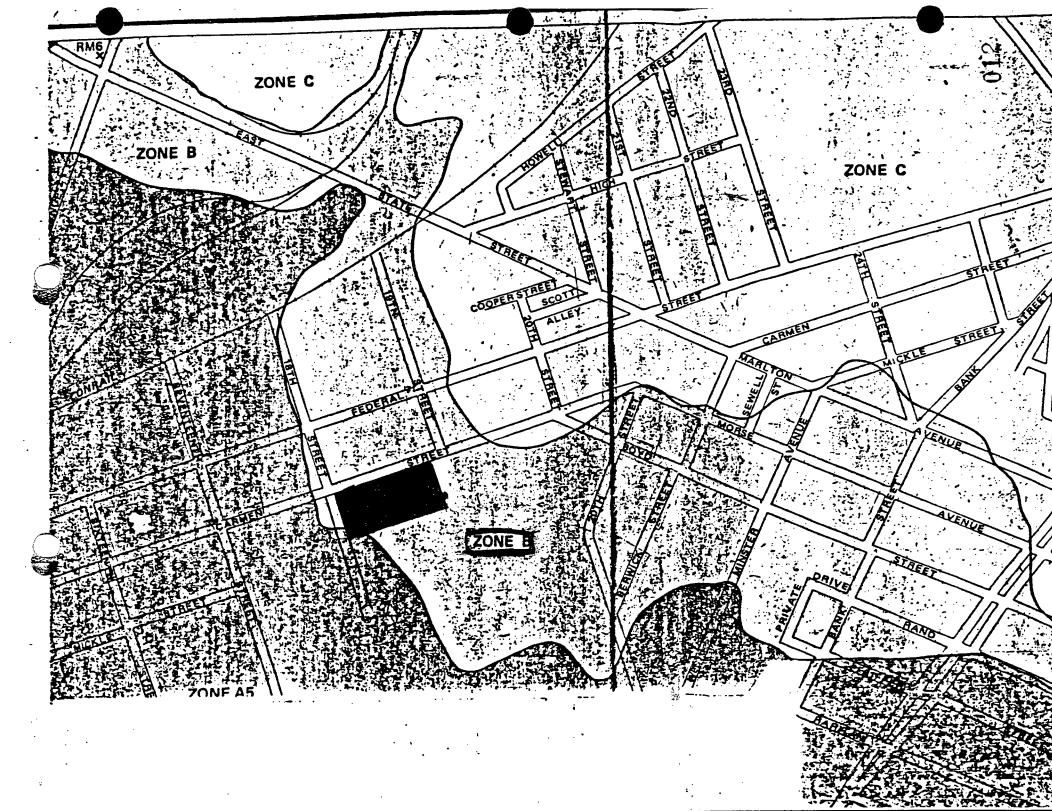


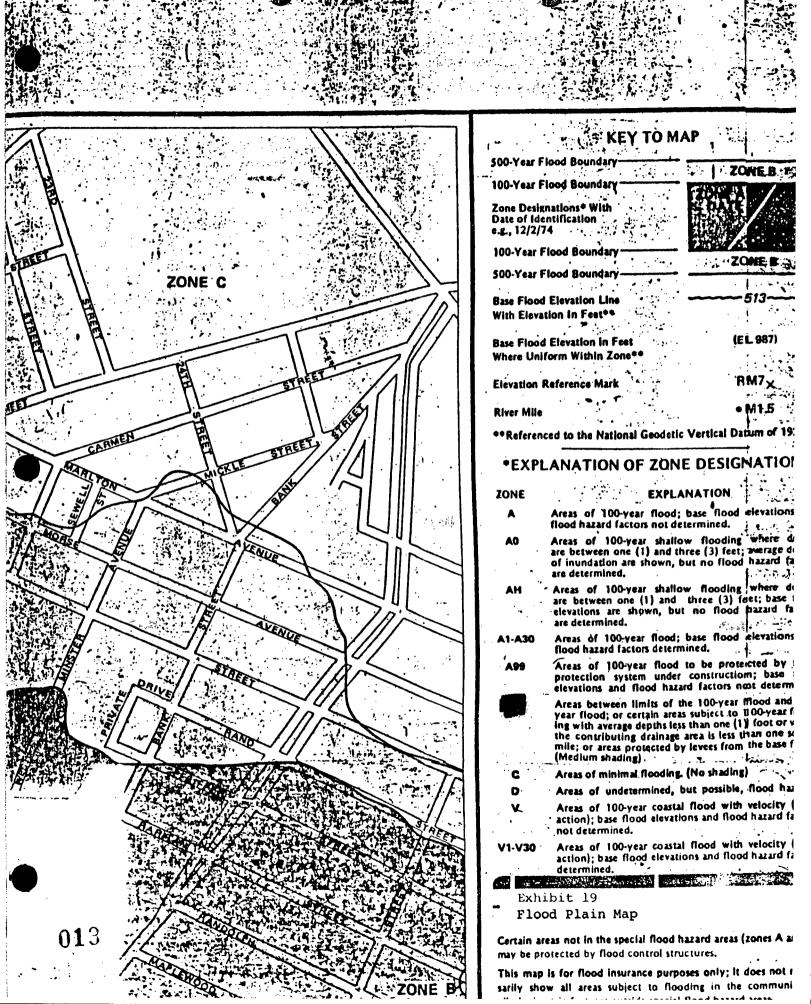












# FLOWEN OILS DELAWARE VALLEY

FIRST SUPPLEMENT TO

APPLICATION FOR

SOLID WASTE PERMIT

 $\{\xi_{m-m}^{\text{dec}}\}_{n=0}^{\infty}$ 

NEW JERSEY STATE DEPARTMENT OF ENVIRONMENTAL PROTECTION SOLID WASTE ADMINISTRATION

O. BOX 2807, TRENTON, NJ 08625

SOLID WASTE FACILITY

APPLICATION

OFF	ICE	USE	ONLY

Date Received Application Number
NAME OF APPLICANT: (Print) Flowen Oils Title  Delaware Valley, Inc., corporation of New Jersey  COMPANY OR TRADE NAME: Same as above
STREET ADDRESS 1800 Davis Street TELEPHONE 609 962 7100  CITY Camden STATE New Jersey ZIP CODE 08101
APPLICANT'S FEDERAL EMPLOYER I.D. OR SOCIAL SECURITY NO:
TYPE OF ORGANIZATION: (Check One) Proprietor Partnership Incorporated XX Municipality County State Government Federal Government Other
RPORATE OR PARTHERSHIP DATA (If any):  Registered in State of: New Jersey County of: Camden  Date of Filing May 13, 1980  C. Agent's Name: Last: Pierce First Alfred M.I. R  Street Address 312 Ferry Office Bldg. Telephone 609-962-7100  City Camden State New Jersey Zip Code 08101
PERSON TO HAVE PRIME ADMINISTRATIVE AUTHORITY Name: Last Forte First Joseph M.I. F Telephone 609-962-7100
APPLICATION FOR: (Check One)    XXX   New Facility
Licensed Professional Engineer Responsible For Submitting The Attached Design:  Engineers Name Seal No. 7113 Engineering Firm's Name Fisher & Sampson Address 929 N Kings Highway Cherry Hill: N. J. 08034 Telephone No. 609 667 1100

		•
PACILITY TYPE: (Separate pplication, for	or Each)	·
A. Sanitary Landfill B. Incinerator	C Compost D. Chemical Processi	ng si
A. Sanitary Landfill B. Incinerator	Treatment Facili	ελ
E. Resource Recovery Facility F. T	ransfer Station G. Shedder H.	Baler
I. Sludge J. Disruption K. X Other	Waste Oil Processing	
FACILITY NAME:		
This Facility: (Check One) is, vy is under PUC regulation. PUC License No.	s not, will be, will not be (If any)	
FACILITY LOCATION: Attach Map)	Part of Lot 1, Block 1431 Block No:	<u> </u>
Street Address	Block No. Lot (	5.)
County	Block No. Lot (	<u>.</u> s)
•		
ESTIMATED PACILITY LIFE: 25	Years Tons Years	
IF EXPANSION ADDITIONAL LIFE	I e a l s	
Owners Name: (Last) Owners Address: Street Municipality	715	
		•
WASTE TYPE: (Check all Types Requested	d for Acceptance at this Facility)	
WASTE TYPE: (Check all lypes hedged on	SEPTAGE	
SOLIDS		•
10. Municipal (Household, Commer and Institutional)	cial 73. Septic Tank Clean-ou 74. Liquid Sewage Sludge	t Waste
12. Dry Sewage Sludge 13. Bulky Waste	LIQUIDS	
17. Hazardous Waste - Dry	Cludge	
18. Chemical Waste - Dry -	70. Waste Oil and Sludge 72. Bulk Liquid and Semi	
Non Hazardous		-Flance
7 ?   Vegetative waste	76. Hazardous Waste Liqu	-Llquic ids
23. Vegetative Waste 25. Animal and Food Processing W	76. Hazardous Waste Liqu	-Llquic ids
25. Animal and Food Processing W 26. Oil Spill Clean-up Wastes	76. Hazardous Waste Liqu	-Llquic ids
25. Animal and Food Processing W	76. Hazardous Waste Liqu	-Llquic ids
25. Animal and Food Processing W 26. Oil Spill Clean-up Wastes 27. Industrial (Non-chemical)	76. Hazardous Waste Liquidstes 77. Liquid Chemical Wast	-Elquid
25. Animal and Food Processing W 26. Oil Spill Clean-up Wastes 27. Industrial (Non-chemical)	76. Hazardous Waste Liquidstes 77. Liquid Chemical Wast	-Elquid
25. Animal and Food Processing W 26. Oil Spill Clean-up Wastes 27. Industrial (Non-chemical)  I certify that the information contatue to the best of my knowledge. Signature	76. Hazardous Waste Liquidstes 77. Liquid Chemical Waste ained herein and on all attachments	-Elquid
25. Animal and Food Processing W 26. Oil Spill Clean-up Wastes 27. Industrial (Non-chemical)  I certify that the information contatue to the best of my knowledge.	76. Hazardous Waste Liquidstes 77. Liquid Chemical Waste ained herein and on all attachments  Date Title	-Elquid

# FLOWEN OILS DELAWARE VALLEY, INC

Flowen Oils Delaware Valley, Inc. is a New Jersey
Corporation incorporated on May 13, 1980. The purpose of the
Corporation is to own and operate a Used Oil Recycling Plant to
be located between Carman and Mickel Streets in the City of
Camden.

Our raw product is defined as used lubricating oil which will come from equipment such as automobile crank cases, truck and bus crank cases, industrial gear boxes, oil from bearing lubrication, oil from industrial hydraulic systems and oils used in the metal cutting machine shops. All operations, as listed above, and any similar type operations will be our source of raw product.

The process is for the recycling of used motor, lubricating and industrial oil. The operation will begin by having trucks owned by the Corporation pick up the raw product from gas stations, garages, industrial plants, and other locations for delivery to the Flowen Oil Plant. The contents of the truck will be evaluated by a lab technician for quality control purposes. The oil will be deposited in a large tank where it will remain for about three days until the water and oil have separated.

From the tank the oil will then be funneled into settlement tanks, then to an initial indirect heating process for viscosity control and then to screen for solids removal.

The oil will then pass into a second indirect heating

phase where the oil is further thinned out to permit a second stage of cleaning. Following the second process the oil passes into three steamed heated centrifuges for the removal of the final particles or solids that may still be present in the oil. Emerging from this phase, a small amount of oil will be transmitted back into the plant's own boiler fired by the Corporation's own product. The remaining oil will pass into finished product tanks where it will remain until a demand for the product is made.

Upon receipt of a demand and/or order for the product, the appropriate quality control tests will be made for customer satisfaction. The trucks will then deliver the product to the customer.

Attached to this application are the engineering drawings, maps and legal descriptions required by the Solid Waste Administration. Additionally, drawings of the buildings are included with the application.

With respect to safety devices, the entire system and processing of oil through it is monitored at each stage by well-designed instrumentation. If a failure occurs at any stage, the appropriate instrumentation will activate an automatic safety device which will immediately shut down the entire system and send out an audible alarm linked to a visual alarm and indicate where the fault is situated in the system's control panel. In addition to this the steam heated centrifuges have an automatic locking device which prevents the opening of a centrifuge lid while the core is still rotating. Finally, in the event of power

State of New Jerseu

# 4 % to be wayon for for DEPARTMENT OF ENVIRONMENTAL PROTECTION

**DIVISION OF WASTE MANAGEMENT** 32 E. Hanover St., CN 027, Trenton, N.J. 08625

JACK STANTON DIRECTOR

LINO F. PEREIRA DEPUTY DIRECTOR

Honorable Walter Rand Senator, 5th District 514 Cooper Street Camden, New Jersey 08102

Dear Senator Rand:

As the Director of the newly established Division of Waste Managment, your letter of June 24, 1982 to Robert E. Hughey, Commissioner of the Department of Environmental Protection, has been referred to me.

In response to your letter, the Department of Environmental Protection finds that the Hazardous Waste Facility Siting Act, Renewed Lill 4-1100 republies to Flowen Oil in the following manner

Elouen is the bound of the second of the sec facility: Existing facility status, as defined in S-1300, has been granted to Flowen because the company had obtained their permit to operate prior to the effective date of S-1300, which was September 10, 1981. Flowen obtained their permit to operate on June 15, 1981. A major facility classification has been made paged upon the approved engineering designs, which reflect that flowen has the capacity to store 256 000 methods the capacity to store wastering to backs at sou one time. The Department considers a facility major if the onsite hazardous waste storage capacity is greater than 250,000 gallons. Please be advised that gallon figure does a figure de la company de oil (water require tions The exact amount of storage available in these tanks cannot be determined at this time.

As an existing major hazardous waste facility, Flowen is not subject to siting as outlined in S-1300. There are, however, other sections which apply to an existing facility. The following applies to, but need not be limited to, an existing major hazardous waste facility:

All construction shall be in compliance with the "State Uniform Construction Code Act", PL 1975, C-127 (C. 52:27D-119 et seq.).

#### Page 2

- 2. Owner or operator must provide evidence of financial responsibility and establish a closure fund mechanism.
- 3. "All major hazardous waste facilities shall, for the purposes of local property taxation, be assessed and taxed in the same manner as other real property".
- 4. Subject to a tax equal to 5% of the gross receipts from the hazardous waste operations to be submitted to the municipality in which the facility is located.
- Subject to periodic inspections to be conducted by local, county, and/or state officials.

Please be advised that an existing major hazardous waste facility is subject to the Hazardous Waste Regulations (N.J.A.C. 7:26-7.1 et seq.).

If you have any questions regarding this matter, please contact Mr. Frank Coolick, Chief, Bureau of Engineering Review and Permits (hazardous waste) at (609) 292-6891.

Sincerely yours,

Jack Stanton Director Division of Waste Management

JS:jb

cc Joseph Forte, President Flowen Oil Company 1800 Carmen Street Camden, New Jersey 08105

> Lino F. Pereira Edward J. Londres Frank Coolick

### **ENVIRONMENTAL PROTECTION**

)	NEW JERSEY	STATE	DEPAR
A.			

· TO	Ronald T. Corcory		
FROM	Steve Carfora SC	DATE	10/3/83
SUBJECT_	Flowen Oil and William Uhl		

On Monday, 8/29/83 and Thursday, 9/1/83, I had telephone conversations with Al Pierce, a lawyer and regional representative, who is employed by Flowen Oil of Camden, NJ (609-966-4633 or 609-962-7100). Pierce obtained my name and phone number through John Purvis who used to work for the NJDEP and is now employed by the Camden County Solid Waste Department. The information Pierce gave me is summarized below. It may be of interest to BFO's Southern Field Office and possibly to the Division of Criminal Justice (DCJ).

When Pierce called on 8/29/83, he was quite agitated about the fact that Flowen had recently hired someone named William Uhl to be plant manager. He felt that Uhl had a bad reputation and was worried about the possibility that the NJDEP might try to revoke Flowen's hazardous waste transporter license and/or facility permit because someone with Uhl's background and reputation was now associated with Flowen.

Pierce said that Uhl was previously, and possibly still is, in the waste oil transporting business in New York and Pennsylvania. At least one company Uhl is connected with is Central Waste Oil of Rochester, NY. Pierce also mentioned a Pottstown, PA location.

Pierce said that Uhl approached and negotiated with Flowen's majority stockholders who are based in Texas and who are responsible for operating the Camden plant and arrived at an agreement which included the following, and possibly other, conditions:

- Uhl was named general manager of Flowen's Camden facility and was given authority over the day to day operation of both the facility and the waste transportation end of the business.
- Uhi leased 10 of his Central Waste Oil waste oil transporting van's as to 5lower and these vehicles were in turn licensed with the NJDEP to haul waste oil under Flowen's name. According to Pierce, one condition of this leasing arrangement was that Uhl be named genera! manager.

Pierce was very concerned about the above agreement because:

- Even though Uhl's background and experience is as a waste hauler and not as a facility operator, Uhl insisted on being given the authority to run the facility.
- 2. He was concerned that Uhl may pick up some "bad" loads of waste oil and bring them to Flowen.

On 9/1/83, Pierce called me back and informed me that he gave Uhl a 30 day termination notice the day before (Wednesday, 8/31/83). He was able to do this, he said, because he convinced the Texas stockholder group that if

Flowen wants to maintain a good image it should not employ someone with Uhl's questionable background. Pierce said that Flowen will no longer lease Uhl's vehicles but will attempt to purchase them outright. He also said that, in connection with this matter, Joseph C. Norman, a representative from the Texas stockholder group, was coming to the Camden facility on September 12.

On Monday, 9/26/83, I contacted Leonard Tritt of the Pennsylvania Department of Environmental Resources (PADER). He gave me the following information about Uhl which he personally knew about or which he obtained from Frank Murphy of the New York Department of Environmental Conservation (NYDEC).

Central Waste Oil, Inc. (CWO) is owned by Uhl. It is headquartered in Rochester, NY and has a terminal in Pottstown, PA. Uhl has a number of suspected or confirmed connections with other waste oil firms, namely:

- 1. Smith & Lockwood Oil (Uhl's sister-in-law, Lois Smith, is a business partner with Hoot Lockwood in this company)
- 2. Berks Associates (of Pennsylvania)
- 3. Booth Oil (NY)
- 4. Monoco Oil (NY)
- 5. Calleia Brothers (NY)

Tritt said that the NYDEC considers CWO "somewhat shaky" and CWO is the subject of some suspicions and/or investigations in PA and NY.

#### Comments

My major concern about this matter is that someone might have been behind Uhl's efforts to get a position of responsibility with Flowen, or may have even coerced Uhl to do what he did. This is where DCJ may come in.

#### SPILL INCIDENT

Bob Rittner called me at home at approximately 8:30 PM on above date and reported the following:

Camden City Fire Department had been called to a spill at 29th and Federal, Camden, yard of Penn Jersey Auto, at a location where we store 2 empty trailers. Valve had been opened by vandals and oil (perhaps 10 gallons) has been spilled onto ground (asphalt) and a small amount (perhaps 2 gallons) had spilled onto neighbors land adjoining. Local resident had called out fire service who called out Bob Rittner. Rittner had J. Leech cleaned up all free oil, none of which entered city sewer system.

On the morning of 8/21/85, the contaminated dirt on the resident's land was drummed (approximately ½ drum) and the dirt will be replaced at the earliest opportunity.

A few months ago, a resident of a property adjoining the Penn-Jersey facility approached the Camden City Fire Service with concern over the tank-trailers parked at the Penn Jersey facility. At that time, we visually inspected the trailers and drained the residual oil contained in the tanks. The fire marshall declared himself satisfied that no potential for oil spillage existed. In the intervening period a person or persons unknown has placed approximately 500 gallons on one of the trailers without our knowledge or authority, and it was the oil which created the spill incident.

We have now removed the two tank trailers from the Penn Jersey facility and parked them at our main Camden recycling facility.

b

# Flowen Oil Laware Valley Inc

1800 Carman Street Camden, N.J. 08105 • Telephone (609) 365-5544

July 26, 1984

RECEIVED

NJ DEP Southern Regional Office 100 Larwin Road Cherry Hill, NJ 08034

Attention: Mr. David Bute

JUL 3 0 1984

N.J. STATE BEPT. OF ENVIRONMENTAL PROTECTION DIVISION OF ENVIRONMENTAL QUALITY

#### Report of Spill

At approximately 6:00 AM on July 25, 1984, a spill of Flowen Oil (recycled used oil) occured at the corner of Haddon Avenue and Market St. in the City of Camden, NJ.

The driver of the vehicle Richard Murphy, immediately notified our Camden facility and a vehicle was dispatched to pick up as much oil as possible. Camden City Police Officer D. Darwerk Badge # 515 attended and called on the Camden County Highway Department to clean up the oil spilled on the highway, an amount of approximately 5 gallons. They attended the scene and sanded the oil, none of which entered the City sewer system.

The vehicle in question a Ford tractor license plate # XE85JP and the 7000 gallon trailer were returned to our facility at Carman Street and all remaining oil was cleaned off before the vehicle resumed its schedule.

The reason for the spill was that a 3" cap on the top of the trailer had been left off and on turning from Haddon Ave. to Market St. some oil had come out of the opening pipe.

David Bute the Duty Officer at DEP Southern Field Office telephone number 609-859-2958 was contacted and the spill reported.

Environmental Protection Agency Region II Office New York City, John LaPadula telephone number 212-548-8730 was contacted and given the requested information on the spill.

Page: Two

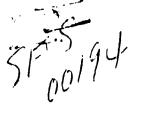
Our own employees then sweep up and collected the contaminated sand and returned it here to our Camden location where it is presently in drums. It will be disposed of through our normal solid waste contractor, Delaware Container Co. Inc. (West 11th Ave. and Valley Road, Coatsville, PA. telephone number 215-383-6600, contact person - Mike Canale) under a New Jersey Hazardous Waste Manifest.

In conclusion the spill was dealt with in a satisfactory manner with no residue remaining and the resultant contaminated material will be disposed of through the correct channels. No danger exists to water ways since none of the oil was spilled near a city sewer, and no rain fell during the incident, or the subsequent cleanup operation.

Sincerely yours,

Archie Bilsland General Manager

AB/sw





### State of New Jersen

#### DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WASTE MANAGEMENT 120 Rt. 156, Yardville, N.J. 08620

DR. MARWAN M. SADAT, P.E.

LINO F. PEREIRA
DEPUTY DIRECTOR

MAY 1 4 1984

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

AMENDED NOTICE OF VIOLATION AND OFFER OF SETTLEMENT

DWM Case #83-12-15-048

Flowen Oil Delaware Valley Corp. William T. Cahill Jr., Registered Agent 25 Chestnut Street Haddonfield, New Jersey 08104

Dear Mr. Cahill:

On or before December 15, 1983, as a result of negligence, on the part of Flowen Oil, a hazardous substance (waste oil) was discharged, at the Flowen Oil facility, located at 1800 Carmen Avenue, Lot 1, Block 1431, in the City of Camden, Camden County, onto the ground from which it might flow or drain into the waters of the State of New Jersey.

The incident summarized above was investigated by members of the Division of Waste Management, who determined that the following provisions of the Spill Compensation and Control Act and regulations promulgated thereunder were violated:

N.J.S.A. 58:10-23.11c

Discharging Hazardous Substances

N.J.S.A. 58:10-23.11e

Failure to Immediately Notify the Department of the Discharge [See N.J.A.C. 7:1E-2.1(a)]

The above cited violations carry maximum statutory civil penalties of \$25,000 per day for each violation.

Flowen Oil Delawa lley Corp. William T. Cahill Registered Agent Page 2

In accordance with the recommendations of the Department of Environmental Protection, and pursuant to the authority vested in me as Administrator of the New Jersey Spill Compensation and Control Fund by N.J.S.A. 58:10-23.11q, 1 am amenable to compromise and settle these claims for penalties for the sum of \$600.00.

Should you decide to settle this matter, payment must be made within fifteen (15) days of your receipt of this letter. Payment must be sent to the Administrator, New Jersey Spill Compensation Fund, Department of Treasury, One West State Street, CN 620, Trenton, New Jersey 08625. Only checks or money orders drawn to the order of "New Jersey Spill Compensation and Control Fund" will be accepted. Your cancelled check or money order will serve as your receipt.

Should you decide not to accept this settlement offer or fail to forward payment within fifteen (15) days of receipt of this letter, this offer is rescinded, and this matter will be referred to the Office of the Attorney General with instructions to initiate a legal action for the maximum allowable penalty.

Acceptance of this settlement offer will satisfy your liability for civil penalties in connection with the above cited violations but will not relieve you of any other responsibility or obligation under the law, including the responsibility to pay for any damages which may have been caused by the discharge.

If you wish to make any inquiries or discuss this settlement offer, you may contact Rai Belonzi, Bureau of Compliance and Enforcement, Division of Waste Management, at 120 Route 156, Yardville, New Jersey 08620 or at (609) 984-3695.

Very truly yours,

Administrator,

New Jersey Spill Compensation and Control Fund

Recommendation Approved By:

Joseph A. Rogalski Assistant Director

Division of Waste Management

N.J.D.E.P.

F01:F013:1mc





State of Nem Jersey

#### DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WASTE MANAGEMENT 120 Rt. 156, Yardville, N.J. 08620

DR. MARWAN M. SADAT, P.E. DIRECTOR

LINO F. PEREIRA
DEPUTY DIRECTOR

FEB 2 3 1984

Flowen Oil Delaware Valley Corp. William T. Cahill Jr., Registered Agent 25 Chestnut Street Haddonfield, New Jersey 08104

Re: Notice of Violation

Dear Mr. Cahill:

Pursuant to the Solid Waste Management Act, N.J.S.A. 13:1E-1, et. seq. and regulations promulgated thereunder, specifically N.J.A.C. 7:26-9.2(a)2 and 12.3(e)2, the following violations were observed:

During the course of routine facility inspections performed on December 9, 1983 and December 15, 1983, at the Flowen Oil Facility, #NJD980536577, it was noted that the facility violated N.J.A.C. 7:26-9.2(a)2, specifically, handling a hazardous waste in a manner which causes or may cause an unauthorized discharge of pollutants. Also noted, was a violation of N.J.A.C. 7:26-12.3(e)2, the facility failed to comply with all conditions and requirements of its Engineering Design, specifically the facility is using a transfer line that is not included in its Engineering Design.

These violations have been recorded as part of the permanent enforcement history of your facility.

Within 15 days of receipt of this Notice of Violation, you shall submit in writing, to the Bureau of Compliance and Enforcement, Attention of Rai Belonzi, at the above address, the correct measures you have taken to attain compliance.

Flowen Oil Delawa Valley Corp. Page 2

The Department of Environmental Protection has chosen not to prosecute the violations noted on the above date but does not relinquish its right to do so in the future.

This letter will serve to advise you that any further violations of N.J.A.C. 7:26-1 et. seq. are subject to a maximum penalty of \$25,000 per day in accordance with N.J.S.A. 13:1E-9.

Should you have any questions regarding this matter, contact Rai Belonzi at (609) 984-3695.

Very truly yours,

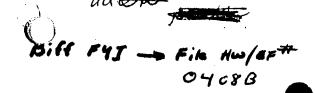
David J. Shotwell

Chief Bureau of Compliance

and Enforcement

F010:F013:1mc





### State of New Jersey

#### DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WASTE MANAGEMENT 32 E. Hanover St., CN 027, Trenton, N.J. 08625

JACK STANTON DIRECTOR

可能动物

1 9 APR 1983

LINO F. PEREIRA
DEPUTY DIRECTOR

Mr. James Caccese Production Manager Flowen Oil Delaware Valley, Inc. 1800 Carman Street Camden, New Jersey 08105

RE: Discharge of oil into the Camden storm drain system?

Dear Mr. Caccese:

Regarding your letter of April 11, 1983 in which you reported that due to the failure of one of your oil-water separators, oil was discharged into the city storm drain system, the following additional information is requested:

- 1. Identify specifically which one of your five oil interceptor tanks was involved in this incident.
- 2. Describe the corrective steps taken to alleviate the problem that was noted on March 30, 1983; and detail the measures taken to assure that this problem does not recur in the future.

If you should have any questions, please contact Mr. Benjamin Esterman of my staff at (609) 984-4061.

Very truly yours,

Frank Coolick, Chief

Bureau of Hazardous Waste Engineering

FC:BE:jb

c W. Lowry w/attachment

Flowen Oil Delaware Valley Inc

1800 Carman Street, Camden, N.J. 08105 • Telephone (609) 365-5544

January 19, 1983

Division of Waste Management Department of Environmental Protection 32 E. Hanover Street CN 027 Trenton, New Jersey

> Re: Report of incident at

> > Flowen Oil Delaware Valley, Inc.

December 17, 1982

Attention: David E. Bute

At 5:40 AM on December 27, 1982 our Process Operator Robert Ritther arrived for work. On going around the site he heard splashing in the finished product area. He immediately investigated and found that tank sampling valves on all four finished product tanks had been opened, and oil was being discharged into the tank containment area. On checking the raw material tanks the same situation was found.

He immediately called the writer and informed him of the situation. He then set about closing all the open valves. mentioned previously, all four finished product tanks had been opened and the valves on the raw material tanks numbers 1 thru 9 had also been opened.

All the spilled oil had been discharged into the tank containment areas, with none escaping to the surrounding land or Flowen site.

At 6:50 AM the writer arrived on site and personally set about organizing the return of raw material to the storage tanks. This job was completed at approximately 1 PM and we returned 41,000 gallons of product to storage.

At approximately 7:30 AM the writer interviewed the guard on duty from K-9 Guard Service, 1102 Fairview St., Camden, N.J. 08104 who claimed to have heard nothing during his term of duty from 8 PM Sunday, December 26th to the time of the interview.

At approximately 8 AM the Camden City Police Department were informed of the incident and at approximately 8:30 AM Patrolman A. George from the department arrived to make a preliminary report.

At 7:30 AM the collection drivers arrived to start their days work and it was then discovered that all four collection vehicles had been tampered with. In three out of four cases, ignition keys had been removed, and in all four cases parts of the brake airline system around the rear axles had been removed, thereby immobilizing the vehicles.

At approximately 9 AM Ms. Susan Savoca at the Department of Environmental Protection in Trenton was informed of the incident. She stated that she would have an inspector call to make a report. At approximately 10 AM David E. Bute from DEP arrived on site, investigating an oil discharge into the Cooper River. After contacting his office he also agreed to investigate and report on the spill as here reported.

At approximately 1 PM we started moving products from the finished product containment area and moved it to raw material storage for reprocessing. We removed approximately 15,000 gallons from the finished product area. This job was completed at approximately 4 PM.

We restarted production at approximately 5 PM.

The net result to Flowen Oil of the incident was that a delay of approximately two days occured. One day was spent replacing spilled oil into tanks, and the second day was spent reprocessing the oil spilled into the finished product area.

In addition to this, approximately 11 trucking days were lost due to the time required to repair the trucks, and the delay in obtaining certain spare parts. Also 12 man days were lost due to the work required in cleaning up after the oil had been returned to storage tanks, and the lack of truck availability.

Certain steps have been taken in order to make the Flowen Oil site more secure during the hours of darkness. Firstly a guard dog was introduced between the hours of 10 PM and 8 AM, tethered on a long leash. This dog should give the guard also on duty a warning that when strangers are on or around the site. Additionally, other security measures are being investigated which will give an electronic and/or audible warning when entry is made or attempted to the site.

This incident although most disruptive to Flowen Oil caused no hazard or nuisance to Flowen Oil's neighbors. All the spilled oil was contained within the tank containment areas, and no nuisance or danger was caused through fumes or smell in the atmosphere.

Since fely yours,

Archie Bilsland Manager

AB/tm

GIFF PYL = TILE HWIEF (040

ADM-012

### MEMO

#### NEW JERSEY STATE DEPARTMENT OF ENVIRONMENTAL PROTECTION

TO	Ron Corcory, Chief, BFO
FROM	Frank Coolick, Chief, BWHE DATE June 8, 1983
<del></del>	Frank Coolick, Chief, BWHE DATE June 8, 1983 Flowen Uil Delaware Valley, Inc. Camden, N.J., Draining, cleaning,
SUBJECT	and inspection schedule for oil interceptor units

The BHWE was notified by Flowen Oil Delaware Valley, Inc. that on March 30, 1983, they experienced a failure of one of five (designated #1) of their oil-water separators which caused oil to discharge into the City storm drain system. The cause of the failure was attributed to clogging of the water discharge pipe from this interceptor by accumulated sludge which allowed the water to back up causing the oil to discharge into the water stream through an overflow line in the City sewer system.

A visit was made to the site on April 21, 1983 by Mr. E. Kuhlwein, B. Esterman and W. Lowry at which time the matter was discussed with Mr. James Turpin, General Manager of Flowen Oil. He explained the circumstances of the incident and the corrective action taken. Mr. Turpin also stated during the visit that to prevent future recurrences, the #1 interceptor would be tied into series with the #2 unit thus providing a mechanism so that if the #1 unit malfunctioned, the overlfow would not go directly into the City sewer system.

As requested, Flowen Oil submitted a letter (copy enclosed) further detailing the corrective steps taken by them following the oil discharge incident and outlining measures taken to prevent recurrences of this type incident. The preventative measures proposed include more frequent scheduled draining, cleanout, and inspection of the oil interceptors to insure proper functioning of these units. The tie-in of the #1 unit in series with #2 is being delayed to an unspecified future date.

This information is being brought to your attention with the recommendation that future inspection trips to Flowen Oil include examination of their operating logs to ascertain whether the oil-water separators are actually being serviced according to their proposed schedule in order to prevent possible spillage of oil into the Camden storm drain system; especially since the connection of the #1 unit to the #2 unit is not presently being implemented.

harding that wing builting the state of the

FC:BE:jb

Enclosure

c: W. Lowry

034

#### CITY OF CAMDEN

# CONSTRUCTION ENFORCING AGENCY — DEPARTMENT OF COMMUNITY DEVELOPMENT

Room 101 - City Hall - Camden, N. J., 08101 405 (609) 757 - 7075 7031

INTER-OFFICE RETURN REFE	ERRAL MEMORANDUM
APPLICATION NO: 81-30	SUBCODE OFFICIAL
DATE RECEIVED: 7-24-81	[ ] Building
en e	Fire The State of
SCOPE OF REVIEW	[X] Plumbing
Construction Permit	RESULTS OF REVIEW
[ ] Certificate of Occupancy	Approved
[ ] Zoning	Rejected: For the reasons stated below
(x) Other Fee	
(REASONS FOR	R REJECTION)
\$154.00 Sewer Conn	. 100.00
Plan	5.00
Permit	10.00
Fixtures	39.00
	154.00
•	•
	SUBCODE OFFICIAL:
DATE RETURNED:	SIGNATURE: (Building, Plumbing, etc.)

MEMO

NEW JERSEY STATE DEPARTMENT OF LA IRONMENTAL PROTECTION

TO	Keith Onsdorff, Assistant Director	lin - Fil
FROM	Susan Savoca	DATE 1/5/83
SUBJECT	Flowen Oil Delaware Valley	

On the morning of Monday, December 27, 1982 (at about 10:00 a.m.), "Al Pierce" of Flowen Oil (Camden County) called John Purves. In John's absence, I took the call. Mr. Pierce informed me that during the night of December 26, 1982 the facility had been broken into and property had been damaged; i.e. hoses were severed, sugar was put in vehicle gas tanks, valves had been opened. This occurred in spite of the presence of a 24 hour security guard. Mr. Pierce opined that it was a "professional job." Upon my inquiry, Mr. Pierce told me that the spillage had been contained in the facility's reservior and that it was now being cleaned up. According to Mr. Pierce, the police were informed of the occurrence. Mr. Pierce solicited DEP's assistance in finding the perpetrator but I informed him that this agency does not undertake police investigations.

I immediately transmitted the above information to Charles Krauss (DWM, Southern Field Office) and Dave Longstreet (DWM, Northern Field Office). (Note that Mr. Longstreet was contacted because Quanta's oil is being taken to Flowen). I requested Charles Krauss to send an inspector to investigate the matter (which he did).

At about 11:15 a.m. on December 27, 1982, Charlie Krauss telephoned me to advise me that an oil spill in the Cooper River over the weekend is being traced by the Coast Guard through the sewer system. The source appears to be the Flowen facility.

I advised Jerry Bruke of these events (in the absence of Keith Onsdorff and Mike Marotta) and telephoned the information to Joe Rogalski.

I then called Trenton Dispatch (2-7172).. Franklin Nicoloudakis said he received a phone call on December 22, 1982 about an oil spill in Camden along the Admiral Wilson Blvd. near the bridge by the Merritt station. Spill was on the shore and in the Cooper River. John Bailey 541-9683, citizen, phoned the complaint and opined that it was No. 6 oil. No call was received by Trenton Dispatch regarding a spill at Flowen.

I then contacted Barbara Greer, who indicated she wo inform the Division of Criminal Justice about these events

About 12:30 p.m. on December 27, 1982, I called Flowe and spoke to Al Pierce. Mr. Pierce indicated that the factorial would be able to accept the Quanta oil today. DEP inspectors Bute was at the facility and informed me that the daws "considerable" but that as far as he could tell no was had escaped the containment area.

On December 28, 1982, I spoke to Bif Lowry who advised me that he will follow-up on this matter.

Susan Savoca

SS/sje

cc: Director Catania Jerry Burke Mike Marotta Barbara Greer Joseph Rogalski

John Purves
Dave Longstreet
Flowen File
Quanta File

Freis

#### NOTICE OF VIOLATION

IDNO, 0408B	DATE _	12/	783		
NAME OF FACILITY Flower Oil Del				*	
LOCATION OF FACILITY 1800 CATMAN				,	
NAME OF OPERATOR TIM CACCES					
torus or or error or			<b>*</b>		

You are hereby NOTIFIED that during my inspection of your facility on the above date, the following violation(s) of the Solid Waste Management Act, (N.J.S.A. 13:1E-1 et seq.) and Regulations (N.J.A.C. 7:26-1 et seq.) promulgated thereunder and/or the Spill Compensation and Control Act, (N.J.S.A. 58:10-23.11 et seq.) and Regulations (N.J.A.C. 7:1E-1 et seq.) promulgated thereunder were observed. These violation(s) have been recorded as part of the permanent enforcement history of your facility.

DESCRIPTION OF VIOLATION EXCESSIVE SCOUNTS	of wil
on ground ground incoming tou	• \10
The violation also noted on repo	
11/12/83.	<u> </u>
(Added at Red Lion Office after inspection) two	niclation
of587:26-9.2(A)2 and NJSA 58:	10-25,11c,
NZSA 58110-23.11e	

Remedial action to correct these violations must be initiated immediately. The issuance of this document serves as notice to you that a violation has occurred and does not preclude the State of New Jersey, or any of its agencies from initiating further administrative or legal action, or from assessing penalties, with respect to this or other violations. Violations of these regulations are punishable by penalties of \$25,000 per violation.

Investigator, Division of Weste Management
Department of Environmental Protection

#### NOTICE OF VIOLATION

ID NO. 04-088	5		DATE	12/15/73		The Ministry
NAME OF FACILITY _	Flower	Oil De	1. Val.	Corp.		
LOCATION OF FACILITY		_	<u>.</u>	Conden		
NAME OF OPERATOR	Jim	CARCES-				
` •	the analysis to the first of the	The state of the s			كالمناه والمناه والمنا	يسقائه صديت بأرغب

You are hereby NOTIFIED that during my inspection of your facility on the above date, the following violation(s) of the Solid Waste Management Act, (N.J.S.A. 13:1E-1 et seq.) and Regulations (N.J.A.C. 7:26-1 et seq.) promulgated thereunder and/or the Spill Compensation and Control Act, (N.J.S.A. 58:10-23.11 et seq.) and Regulations (N.J.A.C. 7:1E-1 et seq.) promulgated thereunder were observed. These violation(s) have been recorded as part of the permanent enforcement history of your facility.

DESCRIPTION OF	VIOLATION E			
مهر سور	and on	the C	own Are	side
	viconing -			
	riporte			
a Dil		<b>y</b>	not hept	
dati	last e	tan 12/11	eler	- mp - 10
	Scale 4	<del></del>	21 02,	

Remedial action to correct these violations must be initiated immediately. The issuance of this document serves as notice to you that a violation has occurred and does not preclude the State of New Jersey, or any of its agencies from initiating further administrative or legal action, or from assessing penalties, with respect to this or other violations. Violations of these regulations are punishable by penalties of \$25,000 per violation.

Investigator, Division of Waste Management
Department of Environmental Protection

### ENFORCEMENT PROFILE

Facility Name Wowen Cal Delaurece Vacley

File No. 04.78

#### **VIOLATIONS**

DATE	TYPE OF NOTICE	CITATION(S)	NOTICE DATE	TYPE	PENALTIES
5.24-82	F.N.O.Y.	7.26 Se 3(9.7) A 48 v hili			FIXMUITES
	<del></del>	7. 4 Sec. 31. 17-4. 14 11 111	6-16-85	0 6 2	/ #-
			10-16-13	Pen Selg	1. 7300
2-24-83	l.	7.26-12.36)2 7:26-4.3(0)3	4-17-83	Alm Ord	1
4-21-83	)	11.10 (4.30) 1. 3(a)3	4-7/-85	VicionA	1.2.20
11-3-83	NOV.	no while their end of swifting	6.21.84		. <i>u</i>
11-7-83	NO.V.	Duiles de la contra dela contra de la contra dela contra de la contra dela contra de la contra de la contra de la contra de la contra dela contra de la contra de la contra de la contra de la contra dela contra del la	Q 21 07	P 8 7.5.00	-> 250/A.O.
12-9.83	N.O.V.	Duily Inspec Log set kept of to does oil in ground a glas 1:24 4 2(A) 3	Sant entry 11.	J-85	
		N.55A 5810 23 11c 58.10-23.11e	2 0 2 8 1	N.O.V TRICE	
12-15-83	NOV.	oil or gound - Anx pec ley not pla	3-16.50	NOVZE	***
2-1-84	N.O.V.	N. J. Mankert # 0197.5.24	6-15-84	Color of Se (11)	12375.00
2.27.84	N.O.Y.	NJAC 7:36-9-41)41 7:36-7	6-13-84	ASO/RO	62,7500
3-12-84	N.O.V.	His yest displayed on truck afficiency			
5-17-84.	NOV.	Viol. of Manifest 4's as 21526, 03215			<del></del>
		0321596	<u>′</u>		
		10-24-83 Inspec (7:26-7.4a)			· ·
		7.40 1 (Jug + Barge Dry Dock	7-20-84	NOV /PSC	\$875.00
		10-13-83 10-24-83 11-3-83	7 70-07	MUV /~30	1-0 W-00
		Inspec - (1.26-3.4h 7502.	#1-20-84	NOVIES	\$1500.00
		7.6 a 2. 9.4d4i 123.09	71 1-20-04	100/100	\$1500.00
4-26-84	NOW	NOAC 7:26-7:402			
6-15-84	wow		Ded - 6-	27 01	
3-27-84	NOV	NOAC-7:26-9-495111, 94951V	arex 6	E7: A7	
	<u>.</u>	9/1/4 9.70 39.70 4 7/2			
		9.40/4/	· · · · · · · · · · · · · · · · · · ·		
511-84	ENDU	load from lenne las.			
		7 5 (db 1310, 15, 1814) 18.	12-15-88	P50/10	\$700
		9.7/e)(6)	7-2-11-8	1 JULY	\$ 700
		7.5-(6)2.7 6/6)2	1:-14.84	NOW/P50	8500
7.25-84	ENCU	25/2013/115/18-16/1	<del>/</del>	<i>VVIII</i> 30	
		3,4(4)			
		7.5602, 7.6602	5-11-81	NOVIPSO	9/750
		2311C, e	5.14.840	menal NO	U/PSD \$600
		Booto Glow 7.4(a)1	5-16-84	WOV	11
		Wasterstr Post "	11	"	,
		Nava I Gis Sta "			
12.28-84	FNOU	9.3(4),		-	
12.22.84		12.3(h)3	5.7.85	204/P50	\$500
10-4-95	FUOU	12. ×e) 2			
				1	
				<del> </del>	
				<del>                                     </del>	
			<del> </del>	<del> </del>	
				<del> </del>	
<del></del>	<del></del>		!	<u>'</u>	

### NJDEP INSPECTION FORM

Report Prepared for:

	Generator	<b>X</b> 7	
	Transporter	<u>IX</u> I	
HWM	(TSD) facility	<u>/X</u> 7	
			Facility Information
		Name:	Flower Oil Delaware Valley Corp
		Address:	1800 Chomon Auc
		-	Canden, N. J. 08105
		Lot:	Block: 1431
-	•	County:	Cam den
		Phone:	(609) 365-5544
	•	EPA ID#:	NJD980536577
	d)	Date of Inspection:	3/27/84
		•	5. <b>以</b> 上中國《古巴特國的新語》(國際) 19. 19.
			Participating Personnel
	St	ate or EPA personnel:	Bruce Venner
et enga		The second secon	
		Facility personnel:	Jim CAccesse
		_	1
			•
	Re	port Prepared by <u>Name</u> :	Bruce Venner
		Region:	I Southern
		Telephone #:	(609) 859-2958
		Reviewed by:	51/10/14 Ta
	a constant	Date of Review:	. 4

#### Summary of Findings

Facility Description and Operations

Del Val Corp. debris the suspended To prinary leaters terceptor egetin This material is the final product and purped to the Flower oil product touch

	. '			÷ .		•		1
escribe the	e activiti	es that res	ult in the	generati	ion of haza	rdous į		
Ha	yardow	marti	i ja	en omlan	Ital .	i The	Rom	
ol B	solid	2 or J	Leave	Alusha	uher	+ho	in town	- nto
and the second second	the R	ilters	au	sliga	ud.	<del>, , , , , , , , , , , , , , , , , , , </del>	money	20
X carrier and a	U			<u> </u>				-
	•							-
							·	-
							· ·	-
	.s.					<del></del>	·*	
entity the	e nazardou of <b>e</b> ach. (	s waste loc Identify Wa	ated on si ste Codes)	te, and e	estimate th	e approxi	imate	
T	- n /	azardou	•		.+1.		- t-	
am	Compie	t	) Ou d		- 00-	uncomi	o L	mn
	という	to of	<del></del>	Los to	account.	in Son	uasti -00	
sa to	tono					us,	ETU	
	31	NOONE.	DOO'	Siria	chui.		•	
	·					· · · · · · · · · · · · · · · · · · ·		
				<del></del>				
<del></del>								
		e de la Paris de La Maria de la Calenda de l	· ··· · · · · · · · · · · · · · · · ·	e er en sektel er er er er				
					<del></del>			
	<del></del>			<del></del>			1	
	·					-	•	
				<del></del>				

The Certificate of Approved Registration and Engineering Design Approval issued to "Flowen Oils Delaware Valley, Inc." on June 10, 1981 is hereby amended to include the addition of a chemical injection unit, to be used to reduce the water content of the waste oil before it is pumped to the process house.

This Amended Certificate of Approved Registration and Engineering Design Approval (Amendment) is granted only for the operation of the chemical injection unit, as described in the engineering drawings and narrative prepared by Mr. Joseph T. Wozny, P.E., dated December 13, 1982, and the notification letter submitted by Mr. James Caccese, dated October 7, 1982.

This Amended Certificate of Approved Registration and Engineering Design Approval shall be conditioned upon compliance and implementation of the following:

- 1. This Amendment shall only apply to the permitted use of a chemical injection unit, which shall be solely used for the purpose of injecting chemicals that will promote a more efficient oil-water separation process in Tanks 1-2, Tanks A and B, the "A" Line into the process house, and the "B" Line into the process house. The construction of the chemical injection system shall be according to Drawing No. FO-PS-1, prepared by Joseph T. Wozny, P.E., dated December 9, 1982. The operation of the system shall be as stated in the December 13, 1982 and October 7, 1982 leters, signed by Joseph T. Wozny, P.E. and James Caccese, respectively.
- 2. This Amendment shall not be construed to allow for the acceptance by Flowen of any additional waste types, other than those permitted in Condition 14 of the original Certificate of Approved Registration and Engineering Design Approval, dated June 10, 19&1. Newly promulgated regulations, effective January 17, 1983, have designated certain types of waste oil as toxic wastes. All of the waste types Flowen has been permitted to accept have been listed as toxic wastes. The corresponding NJDEP hazardous waste numbers are:

X721 Waste automotive crankcase and lubricating oils from automotive service and gasoline stations, truck terminals, and garages

X726 The following used and unused waste oils; metal working oils; turbine lubricating oils; diesel lubricating oils; and quenching oils.

The NJDEP hazardous waste number for bottom sludge generated from the processing and treatment of waste oil is X728.

#### 3. Process Description

The chemical injection unit shall be operated as described in the previously mentioned letters dated December 13, 1982 and October 7, 1982. The following is a description of the process: The demulsifier agent can be injected into the following:

- The "A" line or "B" line at a point between tanks A or B and the process house.
- 2. Tanks A or B.
- 3. Tanks 1-12.

The point of injection will be determined by the quality of the waste oil into which the demulsifier is injected. When the injection process is completed, all valves will be closed.

#### 5. Equipment Description

The following equipment, as discussed in the previously mentioned December 13, 1982 and October 7, 1982 submittals, signed by Joseph T. Wozny, P.E., and James Caccese, is hereby authorized to be implemented as part of a chemical injection unit for waste oil treatment:

- One 55 gallon P.V.C. tank, mounted together on a
   2 1/2' x 3' metal platform.
- 2. One 1/4 horsepower\_electric motor with a pumping capability of 0 to 17.8 gallons per hour.

All equipment, including valves, shall be located as shown on Drawing Number FO-PS-1, prepared by Joseph T. Wozny, P.E., dated December 9, 1982.

#### 6. Reporting Requirements

Flowen Oils Delaware Valley, Inc. shall submit a report detailing the progress with the system and also the advantages/disadvantages of using the chemical injection system within one (1) year of the date of this Amendment. The report shall include more definitive operating procedures, which could not be answered in Flowen's December 13, 1982 submittal due to a lack of production experience with this type of unit.

045

water and

# MODIFIED APPROVAL CONDITION FOR FLOWEN OIL DELAWARE VALLEY, INC., CAMDEN, CAMDEN COUNTY

The Amendment to Engineering Design Approval issued to Flowen Oil Delaware Valley, Inc. on January 18, 1983 is hereby revised to allow for the acceptance by Flowen Oil of certain additional waste types.

This revision to the Amended Certificate of Approved Registration and Engineering Design Approval is granted in response to the written request for approval to accept additional waste types by Mr. James Caccese dated March 9, 1983. This revision is granted to allow Flowen Oil to accept certain additional waste types and shall be included as a Modified Condition 2 of the January 18, 1983 Amendment.

Condition 2 shall hence be modified and implemented as follows:

Waste types identified by NJDEP hazardous waste numbers, which Flowen Oil

- X721 Waste automotive crankcase and lubricating oils from automotive service and gasoline stations, truck terminals and garages.
- X722 Waste oil and bottom sludge generated from tank cleanouts from residential/commercial fuel oil tanks.
- X724 Waste petroleum oil generated when tank trucks are cleaned.
- X726 The following used and unused waste oils: metal working gils; turbine lubricating oils; diesel lubricating oils; and quenching oils.

Flowen Oil shall be conditionally permitted to accept waste types, X725 and X727 as follows:

X725 Oil spill cleanup residue which: a) is contaminated beyond saturation, or; b) the generator fails to demonstrate that the spilled material was not one of the listed hazardous waste oils. Acceptance of waste type X725 is conditional in that the waste shipment must be free-flowing and must be pumped into tanks 1-12 and/or tanks A or B upon arriving at the facility.

Under no circumstance shall contaminated soil, manifested under the waste type X725, be accepted by the facility.

X727 Waste oils from the draining, cleaning or disposal of electric transformers. Acceptance of waste type X727 is conditional in that the PCB content shall be determined for each waste shipment arriving at the facility and the shipment shall be accepted only if the PCB content is less than 50 ppm or less than any future concentration limit set by the Department or Federal agencies.

The NJDEP hazardous waste number for bottom sludge generated from the processing and treatment of waste oil is X728.

# MODIFIED APPROVAL CONDITION FOR FLOWEN OIL DELAWARE VALLEY, INC., CAMDEN, CAMDEN COUNTY

-2-

Any waste oils containing PCB's (Polychlorinated Biphenyls) at a concentration greater than 50 ppm or greater than any future concentration set by the Department or Federal agencies; or; that is reactive or incompatible with permitted waste types shall not be accepted by Flowen Oil. A waste oil shipment containing PCB's at a concentration greater than 50 ppm or greater than any future concentration set by the Department or Federal agencies, or; is otherwise of a type which the facility is not authorized to handle shall be dealt with in accordance with N.J.A.C. 7:26-9.4(c).

# FLOWEN PROCESS EQUIPMENT SCHEDULE

Code	Item	Process Name	Capacity
1	Steel Tank .	RECEIVING TANK	700 gal
2-3	Mono MD 80 Pump	YARD PUMPS	5000 gal/hr
4	Steel Tanks (12)	WASTE OIL STORAGE	15,000 gal ea
5-6	Steel Tanks (2)	PRE-PRODUCTION TANKS	15,000 gal ea
7-8	Mono MD 70 Pump	PRIMARY PUMP	1800 gal/hr
9	Midcon Four Bank Heat Exchange	PRIMARY HEAT EXCHANGER	1800 gal/hr
10-13	Russel Finex Vibrating Filter	VIBRATING SIEVE	900 gal/hr
14-15	Receiving Tank .	BREAK TANK	750 gal
16-17	Mono MD 70 Pump	SECONDARY PUMP	1800 gal/hr
18	Midcon Four Bank Heat Exchanger	SECONDARY HEAT EXCHANGER	1800 gal/hr
19-22	Sharples 1500 Gravitrol Centrifuge	CENTRIFUGE	900 gal
23-24	Mono MD 70 Pump	FLOWEN PUMP	1800 gal/hr
25-26	Centrifugal Pump	INTERMEDIATE WATER PUMP	4000 gal/hr
27	Steel Tank	SETTLING TANK	1700 gal
28-29	Centrifugal Pump	RECIRCULATION PUMP	4000 gal/hr
30	Midcon Two Bank Heaf Exchanger	WATER CALORIFIER :	1800 gal/hr
31	Steel Tanks (4)	FLOWEN TANKS	25,000 gal ea



CONSTRUCTION OFFICIAL

### CITY OF CAMDEN

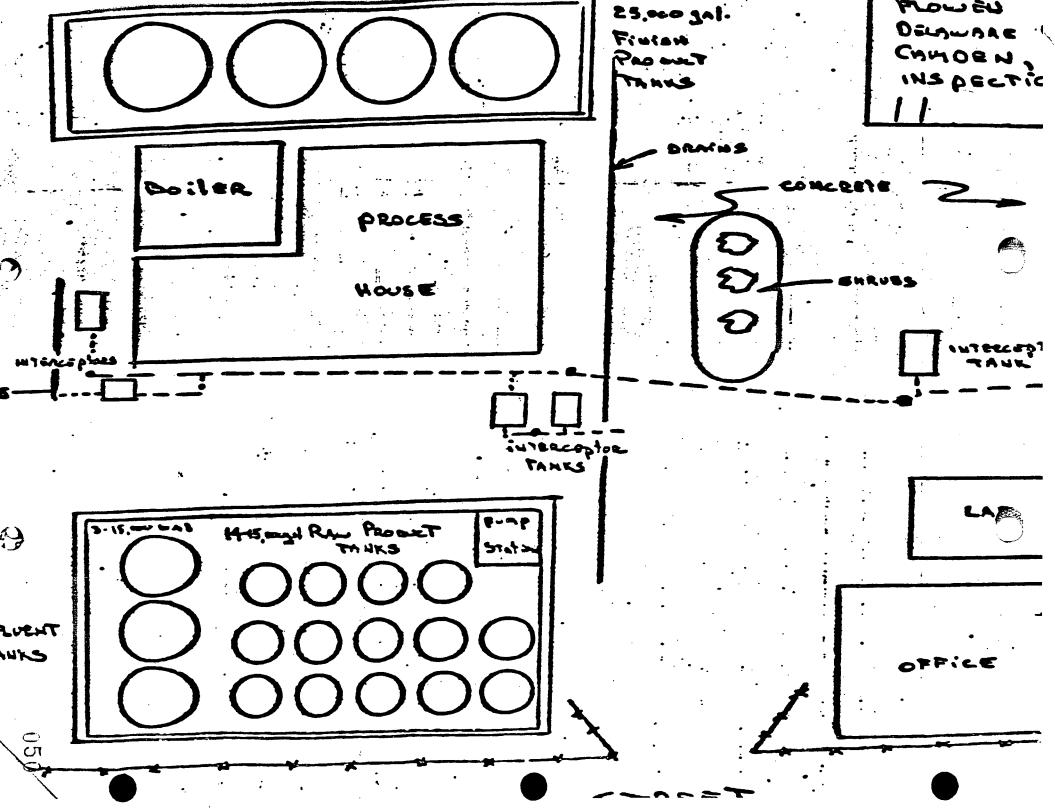
### CONSTRUCTION ENFORCING AGENCY-DEPARTMENT OF COMMUNITY DEVELOPMENT

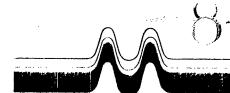
# CONSTRUCTION PERMIT

and the second s	
DATE ISSUED: August 17, 1981	PERMIT N81-30
APPLICANT: Flowen Energy Corp.	ADDRESS: P.O. Box 2440
(m z) 993_0026	Orange, Texas 77630
Costanza Contractiong	Co. ADDRESS: 6515 Crescent Blvd.
PHONE: 662-1000	Pennsauken, N.J.
LOCATION OF SUBJECT PREMISES: 18th & C	ermen Streets.
REMARKS: Oil revovery station and	offices, excavation and partial
(FOR OFFICIAL USE ONLY) foundat	ion work
Total permit costs. \$810.79	
**************************************	

Issued by

LEONARD DIMEDIO Construction Official





# Flowen Oil Lelaware Valley Inc

1800 Carman Street, Camden, N.J. 08105 • Telephone (609) 365-5544

June 7, 1982

New Jersey Department of Environmental Protection Solid Waste Administration 32 E. Hanover Street Trenton, New Jersey 08625

Gentlemen:

At approximately 4:55 P.M. on May 24, 1982, while transfering oil into our tank farm, a tank was overfilled resulting in a small oil spill of about 20-25 gallons. This was reported to Mr. E. Liu of the New Jersey D.E.P.

The oil was contained in our concrete dike area except for a few drops which the wind blew onto the grass outside the Wall. The oil on the grass was wiped up with absorbent pads and the oil in the dike area was pumped into another tank.

We have contracted to have tank gauges installed to help prevent future spills.

Sincerely,

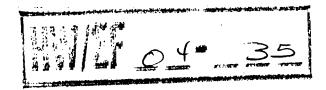
Ralph E. Stone/TM Technical Manager

Facility Registration #6408A



Flowen Oil Belaware Valley Inc

1800 Carman Street, Camden, N.J. 08105 • Telephone (609) 365-5544



June 7, 1982

New Jersey Department of Environmental Protection Solid Waste Administration 32 E. Hanover Street Trenton, New Jersey 08625

Gentlemen:

At approximately 6:00 P.M. on June 1, 1982 while transfering oil into a tank at our tank farm, a tank was overfilled resulting in a small oil spill of about 25 gallons. The incident was reported to Mr. Kirchof of your office at 6:45 P.M.

The oil was contained in our concrete dike area except for about 5 gallon which splattered onto the ground outside the dike area. Absorbent material was spread on the ground area and subsequently disposed of in a dry waste container.

Our contractor will start to install gauges on our tanks this week. The gauges will help to prevent future spills.

Sincerely,

Ralph E. Stone/TM Technical Manager

Facility Registration #6408A

### THE CAMDEN COLOTY MUNICIPAL UTILITY S AUTHORITY

FERRY STATION BLDG. — SUITE 409 1800 EAST DAVIS STREET CAMDEN, NEW JERSEY P.O. 80X #1432 CAMDEN, NEW JERSEY 08101 (609) 962-8700

AN B. ENGELBERT utive Director
J. G. STROKA, P.E.
I Engineer/Deputy Director
DOROTHY E. MARKS
ECTETATY to the Authority
EASARE D. NAPOLIELLO
Administrative Assistant
HOMAS S. HIGGINS. ESQ.
Solicitor



ANTHONY C LOPRESTI
Charman
MOSES JACKSON
Vice-Charman
JOHN W. SHORTER
Commissioner
VICTOR PACHTER
Commissioner
JOSEPH N. PETRUZZI
Commissioner

March 5, 1981

Mr. Joseph Forte
Flowen Oils, Delaware Valley Inc.
Cherry Hill Inn - Suite 262
Cherry Hill, New Jersey

Dear Mr. Forte:

This letter will acknowledge that your engineer, Fisher and Sampson, contacted the Camden County Municipal Utilities Authority through its Chief Engineer, Mr. John G. Stroka. Mr. Fisher requested approval of the CCMUA for water waste discharge into the CCMUA system.

On the basis of data submitted, Mr. Stroka advised Mr. Fisher that he would recommend favorable action to the CCMUA. .

This letter is to confirm that the Executive Staff will so recommend, based upon data verbally submitted to Mr. Stroka, the approval sought from the Commission.

Please submit your formal application as soon as the New Jersey Department of Environmental Protection has officially set your public hearing date.

Very truly yours

Herman B. Engelbert Executive Director

cc: Alfred Pierce, Esq. 5

mm

# This Page Intentionally Left Blank

# Reference No. 3



Northeastern Analytical Corp.

LILLEY & ASSOCIATES, INC.
Flowen Oil Site
Camden, New Jersey

GROUND WATER QUALITY INVESTIGATION PROJECT NO. NAC6939

Prepared for:

Lilley & Associates, Inc. 8502 Winands Road Pikesville, Maryland

October 21, 1988

I.



Lilley & Associates, Inc. Project No. NAC6939 October 21, 1988 Page 2 of 5

Introduction .

File No. 8A\TEST\NAC6939

#### TABLE OF CONTENTS

II.	Monito	ring Well Location/Installation 4	
III.	Ground	water Quality Assessment 5	
	Attach	ments	
	. т	est Report No. NAC6977	
	. W	ell Drilling Logs	
	• F	lan of Monitoring Wells for Flowen Oil Delaw	are



Lilley & Associates, Inc. Project No. NAC6939 October 21, 1988 Page 3 of 5

#### I. INTRODUCTION

Northeastern Analytical Corporation (NAC) in association with James C. Anderson Associates, Inc., conducted a ground water quality investigation at the site known as Flowen Oil Delaware Valley, Inc., located at 1800 Carmen Street in Camden, New Jersey. The purpose of this investigation was to assess ground water quality for property administration as directed by Lilley & Associates, Inc.

The investigation included installation of monitoring wells for the sampling and analysis of ground water for indicator contaminants representative of materials used or stored at the site. Also included was a determination of the gradient and direction of the horizontal component of ground water flow on site.



Lilley & Associates, Inc. Project No. NAC6939 October 21, 1988 Page 4 of 5

# II. MONITORING WELL LOCATION/INSTALLATION

Three (3) ground water monitoring wells were installed between June 17, 1988, and June 21, 1988 at the site. Monitoring well locations were chosen by a hydrogeologist with respect to determining direction of ground water flow at the site. Monitoring well location and identification as well as approximate direction of flow are shown on the attached plan of monitoring wells.

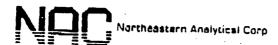
All monitoring wells were constructed in accordance with New Jersey Department of Environmental Protection (NJDEP) standard specification for wells in unconsolidated materials. This construction consists of a four (4) inch diameter schedule 40 PVC flush joint casing and screen. Screens installed were 0.010 inch slot, fifteen (15) feet in length and situated so as to extend 3-5 feet above and 10-feet into the saturated zone to be monitored. Two (2) well (MW #2 and MW #3) following installation were secured with locking steel covers extending approximately two (2) feet above grade. A third (MW #1) located in a parking area was fitted with flush mount protection.

Split spoon sampling of soils was conducted for each well boring at 2-5 feet in depth intervals for soil classification purposes. Each split spoon sample was also screened with a field photoionization detector (PID) for volatile soil contaminants. All soils information is listed in the attached well drilling logs. No positive readings were detected by the field PID analysis of each spilt spoon soil sample.

The location and elevation of each monitoring well was surveyed following installation in order to determine gradient and direction of ground water flow.

A two (2) inch PVC water line was encountered and damaged by boring at the original location for MW #2. This happened in spite of assistance from Flowen Oil personnel using a scaled site plan, which showed the approximate position of underground utilities, in choosing well locations.

The water line was shut down, excavated and repaired by Mand TankTest, Inc., personnel. The location for MW #2 was then moved approximately 25 feet towards Carmen Street where it was installed with no further delay.



Lilley & Associates, Inc. Project No. NAC6939 October 21, 1988 Page 5 of 5

# III. GROUND WATER QUALITY ASSESSMENT

On July 6, 1988, NAC personnel conducted the initial sampling of monitoring wells installed at the Flowen Oil site. The analytical results of this sampling effort are presented in the attached Test Report No. NAC6977.

Even though the monitoring wells at Flowen Oil are not potable wells, it is appropriate still for the purpose of this investigation to compare ground water quality at the site to maximum contaminant levels established in the National Safe Drinking Water Act (SDWA).

The initial analytical results indicate that most contaminant concentrations were either below method detection levels or well below SDWA maximum contaminant levels.

Arsenic levels in MW#1 (0.017 ppm) and MW#2 (0.023 ppm) did exceed the maximum level of 0.05 ppm observed under SDWA for potable water. Also in exceedance were levels of total dissolved solids in each well ranging from 680 ppm to 1,400 ppm as compared to the maximum contaminant level of 500 ppm established in the SDWA.

The monitoring wells at Flowen Oil exhibited high levels of turbidity when sampled on July 6, 1988. This condition is typical of recently developed wells. As a result, the level of turbidity and solids in the samples collected may be responsible for the elevated levels of arsenic and total dissolved solids. Arsenic is found to exist in varying levels in native soils throughout the southern New Jersey area and to the best of our knowledge is not a typical component of any material handled at the Flowen Oil site.

The results of the limited ground water investigation conducted by NAC therefore appear to indicate that the operations of Flowen Oil Delaware Valley, Inc., have had no significant environmental impact on the ground water at the site. A more definitive assessment could be conducted at the site through more comprehensive testing if deemed necessary in the future.

ANALYTICAL REPORT

for

LILLEY & ASSOCIATES 8502 Winands Road Pikesville, Maryland

and an expensed

PROJECT: Flowen Oil

TEST REPORT NO. NAC6977

Client	NAC	Date	<u>Matrix</u>	Sampled
<u>Designation</u>	<u>Designation</u>	<u>Received</u>		by
MW #1	NAC6977-1	7-6-88	Aqueous	NAC
MW #2	NAC6977-2	7-6-88	Aqueous	NAC
MW #3	NAC6977-3	7-6-88	Aqueous	NAC
Trip Blank	NAC6977-4	7-6-88	Aqueous	NAC

Laboratory Name: Northeastern Analytical Corp. Certification No: 03117 Name: Title: Laboratory Manager Date: August 3,

006

1



Lilley & Associates Test Report No. NAC6977 August 3, 1988 Page 2 of 16

#### TABLE OF CONTENTS

	Page No	<u>•</u>
	Sampling Information	
II.	Chain of Custody Documentation	
	Methodology 6	
IV.	Laboratory Chronicle 8	
v.	Non-Compliance/QA Report 8	
VI.	Analytical Results 9	
VII.	Quality Assurance Data	

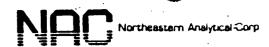
11



Lilley & Associates Test Report No. NAC6977 August 3, 1988 Page 4 of 16

#### II. CHAIN OF CUSTODY DOCUMENTATION

# CHAIN OF CUSTODY RECORD



PROJECT NAME  (977 LILLLY FLOWER OIL  NO.  SAMPLERS:  PLUS CHYCLDG IGT PATE CLUS ZGK  SAMPLE DATE TIME S SAMPLE LOCATION  NO.  17/6 1340 X MW # 1										,								
SAMPLE DATE TIME \$\frac{1}{8} & SAMPLE LOCATION	PROJ. NO.	. Р	ROJEC	T N	AME	1 _				İ			СО	NTA	INEF	TYPE /		-
SAMPLE DATE TIME \$\frac{1}{8} & SAMPLE LOCATION	6977		LIL	ستو	7	1 From	عدم	01_	NO.		,	(k)	Y	07	704	777		
SAMPLE DATE TIME \$\frac{1}{8} & SAMPLE LOCATION	SAMPLERS:		<b>\</b>			1.0			OF		<i>\</i> ;	*/\		3	3	₩ /		
-1 7/6 1360 X MW#7 -2 7/6 1450 X MW#7 -3 7/6 1615 X MW#3 -4 7/6 1130 X Third and 7 -4 7/6 1130 X MW#3 -4 7/6 1450 X MW#3 -4 7/6 14	Ziel	<u>ې ک</u>	HAR	194	14.	T/ Pe	ir	GLUSZEK.	CON-	/	/ N		/\ !r					HEMAKKS
-1 7/6 1360 X MW#7 -2 7/6 1450 X MW#7 -3 7/6 1615 X MW#3 -4 7/6 1130 X Third and 7 -4 7/6 1130 X MW#3 -4 7/6 1450 X MW#3 -4 7/6 14	SAMPLE DA	\TE	TIME	<b>201</b>	۸ō.	. 8	SAMPLE	LOCATION	TAINERS	<u>K</u>	Ż	3/4 1/2/2	×	Ž	\$ <b>!</b>			
-2 7/6 1450 × MW # 7 9 2 2 1 1 3 3 -4 7/6 1615 × MW # 3 9 2 2 1 1 1 3 3 -4 7/6 1130 × T& PB AME 7 2 7 1 1 3 3 -4 7/6 1130 × T& PB AME 7 2 7 1 1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	-117	77.	1310		V	MW	#1		9	2	2	1						
-3 7(6 1615 X MW#3 9 2 2 1 1 3 7 7 1 1 13 7 7 1 1 13 7 7 1 1 13 9 7 1 1 1 3 9 7 1 1 1 3 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1									9	2	2	1	1	3				
-47/1 1130 X TRIBLANC Z		7							9	2	2	1	1	3				
A 7/( 1130 X 12/73/AVR 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<del></del>								7					2				•
Relinguished by: (Signature)  Date/Time Received by: (Signature)	-47	/(_	1130		X	121	PBL	ang										
Relinguished by: (Signature)  Date/Time Received by: (Signature)																		
Relinguished by: (Signature)  Date/Time Received by: (Signature)							·			$\vdash$								
Relinguished by: (Signature)  Date/Time Received by: (Signature)										-							<del></del>	
Relinguished by: (Signature)  Date/Time Received by: (Signature)																		
								•										
															) (			
	<del>  </del>															,		·
										-								
																Date	/Time	Received by: (Signature)
Relinquished by: (Signature) Date/Time Received by: (Signature)	Relinquished	אל ן:	(Signatu	ire)		Date/	Time	Received by: (Signet	40)	Reil	nquii	nea	DY: (	Signa	iturė)		1	
Zul Schiedent 7-7-88 0845 Sun Kleger Deter Time Received by: (Signature)	121	10:		4.7	tla	-7-88	<u> </u>	to Karl His	B()			_					<u></u>	
Relinquished by: (Signature)  Date/Time Received by: (Signature)  Relinquished by: (Signature)	Relinquished	d by:			1	Date/	Time			Reli	nquli	hed	by: (	Signa	ture)			Received by: (Signature)
	1							1							;			
Relinquished by: (Signature)  Date/Time Received for Laboratory by:   Date/Time Remarks	Relinquished	d by:	(Signati	ure)	-	Date/	Time	Received for Laborat (Signature)	lory by:		D	ate/	rime	R	lema	rks		
										<u> </u>			<del></del>	$\dashv$	1			

000



Lilley & Associates Test Report No. NAC6977 August 3, 1988 Page 6 of 16

## III. METHODOLOGY SUMMARY

### Purgeables

U.S.E.P.A. Method 624 - This is a purge and trap Gas Chromatograph/Mass Spectrometer (GC/MS) method applicable to the determination of the compounds listed in the U.S.E.P.A. Manual entitled "Methods of Organic Chemica Analysis of Municipal and Industrial Wastewater".

An HP5996 GC/MS was used with a packed column of SP100 carbopack B.

Method detection limits are as stated.

Soil samples are prepared for analysis as prescribed i Method 8240 from SW846.

# Petroleum Hydrocarbons by IR (Aqueous)

This sample is extracted with freon and an Infectopetrophotometer (IR) method is used to determ petroleum hydrocarbon in aqueous matrices. The non petroleum hydrocarbons are removed with silica gel and the extract is analyzed by IR against a series of standar mixtures. Reference Method is EPA Method 418.1.

# Total Organic Carbon (Aqueous)

Organic carbon in a sample is converted to carbon dioxid  $(CO_2)$  by wet chemical oxidation using sodium persulfate an high temperature. The  $CO_2$  formed can be measured directly an infrared detector. The amount of  $CO_2$  is directly proportional to the concentration of carbonaceous material in the sample.

Reference Methods are Standard Methods for the Examination of Water and Wastewater, 16th Edition, Method 302B and EMethod 415.1.



Lilley & Associates Test Report No. NAC6977 August 3, 1988 Page 7 of 16

### III. METHODOLOGY SUMMARY (Continued)

#### <u>Metals (Aqueous)</u>

An aliquot of the sample is refluxed with nitric acid and hydrochloric acid/hydrogen peroxide until digestion is complete. The digested sample is filtered, made up to volume and analyzed via Flame/Furnace Atomic Absorption Spectrophotometry.

Reference Methods are Standard Methods for the Examination of Water and Wastewater, 16th Edition, Method 302D and IFB 1985 Statement of Work for Inorganics.

#### Hq

This is a potentiometric analysis used to determine the pH of aqueous samples. The method employs a pH/mV meter and a Ross combination pH electrode. The pH meter is calibrated using two buffers bracketing the expected sample pH range. The electrode is immersed in a suitable aliquot of sample, and while stirring, the pH is measured and recorded. Reference method is Standard Methods for the Examination of Water and Wastewater, 16th Edition, Method 429.

#### Total Dissolved Solids

A well-mixed sample is filtered through a standard glass fiber filter. The filtrate is evaporated and dried to constant weight at 180 °C. Reference Method EPA Method 160.1.



Lilley & Associates Test Report No. NAC6977 August 3, 1988 Page 8 of 16

### IV. LABORATORY CHRONICLE

A. Date of Sampling: 7-6-88

B. <u>Date of Receipt/Refrigeration:</u> 7-6-88

C. <u>Date of Analysis:</u>

	<u>Parameter</u>	Date Extracted	Date Analyzed
- 2742	Volatile Organics	NA	7-8-88
	Petroleum Hydrocarbons	7-7-88	7-7-88
	Total Organic Carbon	NA	7-6-88
	Metals	NA	7-21 thru 8-1-88
	рH	NA	7-6-88
	Total Dissolved Solids	NA	7-7-88
	NA: Not Applicable		

### V. NON-COMPLIANCE/OA REPORT

None

Supervisor Review and Approval:



Lilley & Associates Test Report No. NAC6977 August 3, 1988 Page 9 of 16

# VI. ANALYTICAL RESULTS

# Volatile Organics

# Sample Designation

<u>Parameter</u>	NAC6977-1 MW #1	Detection Limit
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl Chloride	ND	10
Chloroethane	ND	10
Methylene Chloride	3B,J	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	10
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	ИD	5.0
trans-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Benzene	ND	5.0
cis-1,3-Dichloropropene	ИD	5.0
2-Chloroethylvinyl Ether	ИD	10
Bromoform	. ND	5.0
Tetrachloroethene	МD	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
Toluene	ИD	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	מא	5.0
Total Xylenes	ИД	5.0
Total Dichlorobenzenes	ND	5.0
Acrolein	ND	50
Acrylonitrile	ND	50
Units	(ug/1)	(ug/l)

ND: 'Not Detected

<sup>1:</sup> Detected, but below the limit of reliable quantitation.

B: Methylene Chloride detected in method blank a 5.0 ug/l.

# ORGANICS ANNLYSIS DATA SHEET (Page 4)

# Tentatively Identified Compounds

C.A.S. 1 Humber 1	Compound Name	I I Fraction		l Estimated
1	composite rights	i rraction		Concentration
1.   uni	tnoun	i voa	26.67	1 14 or ugrkg
			ii	'
3i			' ·	'
4		· · · · · · · · · · · · · · · · · · ·	!	' <u></u>
5			1	: 
61		1	1	1
71			1	· · · · · · · · · · · · · · · · · · ·
8			1	1
			1	
0		<u> </u>	1	
1			1	
l2I				1
<sup> }</sup> • _			1	
l4I			1	1
<sup> 5</sup>  _			1	1
l6l_			1	1
		1	1	1
	· · · · · · · · · · · · · · · · · · ·		1	ı
<u> </u>		<u> </u>	1	1
20i_		<u> </u>	_!	
21			1	
22			_1	
23			<u> </u>	11
		ii	_1	
25			.11	_
<sup>26</sup>			_1	.1
271_		1	_!	.
28			_1	_!
27		tt	_1	_!
30I_		<u> </u>	_1	

Lilley & Associates Test Report No. NAC6977 August 3, 1988 Page 11 of 16

# VI. ANALYTICAL RESULTS (Continued)

# Volatile Organics (Continued)

### Sample Designation

<u>Parameter</u>	NAC6977-2 MW #2	Detection Limit
Chloromethane	ND	10
Bromomethane	ир	10
Vinyl Chloride	ND	10
Chloroethane	ND	10
Methylene Chloride	3B,J	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	10
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	ND	5.0
trans-1,3 Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Benzene	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
2-Chloroethylvinyl Ether	ND	10
Bromoform	ND	5.0
Tetrachloroethene ·	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
Total Xylenes	ND	5.0
Total Dichlorobenzenes	ND	5.0
Acrolein	ND	50
Acrylonitrile	ND	50
Units	(ug/l)	(ug/l)

MD: 'Mot Datasta

J: Detected, but below the limit of reliable quantitation.

Hethylene Chloride detected in method blank a 5.0 ug/l.

# ORGANICS MURLYSIS DATA SHEET (Page 4)

# Tentatively Identified Compounds

C.A.S.   Number   11	Compound Name	i Fraction	1	Concentration
·!_No	Unknowns	I_V0A		(lug/ L)r ug/kg
·			I	I
·			l	
<u> </u>		!	!	l
				<u> </u>
			<u> </u>	!
		<u> </u>	!	<u>'</u>
		<del></del> '	' <del></del>	!
·			<u>'</u>	!
·			'	
			·	· ———
·!			·	' <del></del>
·			1	' <del></del>
·			1	·
·——			1	
·			1	1
		!	·	
		!	!	.1
			!	! <u> </u>
		I	!	!
			'- <del></del>	·'
·			` <u></u>	· <del> </del>
			·	' <del></del>
·1			1	· · · · · · · · · · · · · · · · · · ·
		I	!	
			1	
			1	



Lilley & Associates Test Report No. NAC6977 August 3, 1988 Page 13 of 16

# VI. ANALYTICAL RESULTS (Continued)

# Volatile Organics (Continued)

# Sample Designation

Parameter	NAC6977-3 MW #3	Detection Limit
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl Chloride	ND	10
Chloroethane	ND	10
Methylene Chloride	3B,J	5.0
1,1-Dichloroethene	3 <b>J</b>	5.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ИD	. 5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	10
1,1,1-Trichloroethane	ИD	5.0
Carbon Tetrachloride	ИD	5.0
Bromodichloromethane	ИD	5.0
1,2-Dichloropropane	ИD	5.0
trans-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Dibromochloromethane	ИD	5.0
1,1,2-Trichloroethane	ИD	5.0
Benzene	מא	5.0
cis-1,3-Dichloropropene	ND	5.0
2-Chloroethylvinyl Ether	ND	10
Bromoform	ND	5.0
Tetrachloroethene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
Toluene	ND.	5.0
Chlorobenzene	ИD	5.0
Ethylbenzene	ND	5.0
Total Xylenes	ND	5.0
Total Dichlorobenzenes	ND	5.0
Acrolein	ND	50
Acrylonitrile	ИD	50
Units	(ug/1)	(ug/1)

ND: 'Not Detected

J: Detected, but below the limit of reliab quantitation.

B: Methylene Chioride detected in method blank 8 5.0 ug/l.

# ORGANICS AMPLYSTS DATA SHEET (Page 4)

# Tentatively Ident: fied Compounds

C.A.S. Humber		l fraction		Concentration
1	1_Ho Unknowns	iu34	! !	iclugy is or ugykgs
?-		!	l	31-incorpion
·	-		·	ľ <u></u>
ζ'			!	!
6.			! <del></del>	<u></u>
7.			!	!
0		<del></del> '	<u>'</u> ———	!
9		'	'	·'
.0			' I	' <del></del>
1			` <del></del>	
12			·	
			1	1
4			ı	
.5			1	1
16			1	1
			1	
	_!		.1	.11
17 28			.1	.1
21.			.1	_i
22.			·!	-!
23.		<u> </u>	-!	-!
24			·! <del></del>	-! <del></del>
25			-¦ <del></del>	-{
40		<u> </u>	·'	·'
27		<u> </u>	- <u>'</u>	-'- <del></del>
28			-` <del></del>	- ' <del></del>
29			1	<del></del>
30			· · · · · · · · · · · · · · · · · · ·	- <del> </del>



Lilley & Associates Test Report No. NAC6977 August 3, 1988 Page 15 of 16

# VI. ANALYTICAL RESULTS (Continued)

# Miscellaneous Parameters

# Sample Designation

Parameter	NAC6977-1 MW #1	NAC6977-2 MW #2	NAC6977-3 MW #3
Petroleum Hydrocarbons	the control of the co		
by IR, mg/l	<1	<1	<1
Total Organic Carbon, mg/l	33	11	13
Arsenic, dissolved, mg/l	0.017	0.023	<0.01
Cadmium, dissolved, mg/l	<0.005	<0.005	<0.005
Chromium, dissolved, mg/l	<0.05	<0.05	<0.05
Copper, dissolved, mg/l	<0.05	<0.05	<0.05
Lead, dissolved, mg/l	<0.005	<0.005	<0.005
Mercury, dissolved, mg/l	<0.0005	<0.0005	<0.0005
Selenium, dissolved, mg/l	<0.005	<0.005	<0.005
Zinc, dissolved, mg/l	<0.05	<0.05	0.56
pH, units	6.9	6.7	6.7
Total Dissolved Solids,		0.,	0.7
mg/l	1,400	680	740



Lilley & Associates Test Report No. NAC6977 August 3, 1988 Page 16 of 16

# VII. QUALITY ASSURANCE DATA

# Volatile Organic Surrogate Recoveries

### \$ Recovery

Sample <u>Designation</u>	<u>Toluene-D8</u>	Bromofluoro- Benzene	1,2 Dichloro ethane-D4	
NAC6977-1	94	111	98	
NAC6977-2	97	113	89	
NAC6977-3	95	113	99	
Control Limits	(88-110)	(88-115)	(78-114)	

# Matrix Spike and Matrix Spike Duplicate Recoveries

Parameter	Sample <u>Designation</u>	Amount of Spike, uq	Initial % Recovery	Duplicate **Recovery	RPD
PHC	Control	4,100	54		
TOC	6968-27	20	96	99	3.0
Arsenic	6971-2	0.50	97	94	3.1
Cadmium	6971-2	0.12	147	160	8.5
Chromium	6967-1	25	88	88	0
Copper	6971-1	25	93	91	2.2
Lead	6971-2	0.50	119	118	0.84
Mercury	6958-1	0.50	106	107	0.94
Selenium	6971-2	0.25	100	94	6.2
Zinc	6967-1	7.5	99	99	0
TDS	6978-3	Duplicate	100		

William .



\*\*

# JAMES C. ANDERSON ASSOCIATES INC. DRILLING CONTRACTOR

	7 Pleasant \	/alley	Aven	ue		Moun	t La	urel, New Jers	ey 08054	(609) 722-6700
PROJECT:	FLOWE	<u>.                                    </u>	10		. 7	NC.				Sheet 2 of 2
CLIENT:	NAC									Job Na MUEZOOG
G	ROUNDWATE	R				DRILLI	NG	METHOD	DEPTH	1.D. No. MW/
Date	Time	<del> </del>	pth			N (A)	H	154	0'10 40	Date Started 6-17-8
6-17-88	10:00	್ತಾ				9/121	, "	SPOOL	to	Date Finished 6.22-9
									to	
WELL CON	ROD AW_V	SIZI	Ε		STATI	E PE	ERMIT NO.	SPOON SIZE	Elevation	
				SA	MP	LF		T	23	Inspector PFR
FLUSH MOUNT	GALE	Depth	No.	Depth Typ	/	Blows Per 6"	N.	CLASSI	FICATION	REMARKS
7-			1	6-7				LT. BEN - DH SAND	CRN Y CL4Y	
	-	-	a	2-4				FILL MATE		
4" PVL CASS-SC+ SC+ 40	BELTOUTE/	-5 -	3	4-6				BRECK - F	SAND - GRAVEL	
	- نــها	-			-					V = 40
		- -10	4	8-10					sand. Gener	
Benount !		- -								
<u> </u>	•	- -15	5	13-15		ļ		GREG SALA -	KY HUNCE MATTER SREY-DLKW CLAY	DAMP
# 	- -	-	6	15-17	╁┼╴			GREEN FIR	TU CLAY	DAMP
	Jexte _	-	7	17-19	+		_		TR. HEMOTETE	DAMP
0.10 SLUT	rvieze	-20		18-21		ŀ		GREEN F TR. INSTE GIVET :	· GREY SAND	DAMO
SCP 4)	<u> </u>	-	₹9	21-73	╂.			TR GREAT GREAT	GREY FAILD	DAMP
		-25	10	73-72	-			C- SA.JD, GA	UVEL , RUT BLIX	WET
,		-	<del></del>	26.7)				CLAY YR	LT. HEN YELLOW	WET
		- -30		⊃> <i>○)</i>				F. EAIST TR	GREEN STITE CLAY	WET
				رن <sup>ر</sup> زد 				Silte SAIN	DU- CLAY	Reco WIT
	<sup>t</sup> , ← →	-	14	31- 33	<u> </u>		_		HETE SAIN	WIT
						,				021

WELL	W nes		SAMPI	_E			•	Sheet a of
CONSTRUCTION	Depth	No.	Depth, Type	,	Blows per 6"	N.	CLASSIFICATION	REMAR
35			38-35			·	GREEN - WHETE F SAND	WET
	-  -  -							
40 -			38-40	$\perp$			F-M SAND	WET
		i					E.O.B.	
· · · · · · · · · · · · · · · · · · ·								
•			: :					
·								
	†						·	
							·	
		• •						
	+						37.	
022	†							



# JAMES C. ANDERSON ASSOCIATES INC. DRILLING CONTRACTOR

907	7 Pleasant V	/alley	Avenu	ue		Moun	t La	iurel, New Jers	ey 08054	(609) 722-6700
PROJECT:	FLou	JEN	ان	22		INC.				Sheet / of 2
CLIENT:	N,	1								Job No. MNEZOOG
	ROUNDWATE	R			I	DRILLI	NG	METHOD	DEPTH	I.D. Na. MW2
Date	Time	De				2 <i>" /</i>	45,	4	0' to 35'	Date Started 6-17-
6-17-88	2:00	53			_ ၁	" ×24	,"	SAUUI)	to.	Date Finished 6-23-5
								-	to	Driller J. JESTER
WELL CON	STRUCTION	ROD AW	SIZE	Ξ		STATE	E. PE	ERMIT NO.	SPOON SIZE 2"3"	Elevation
Tables (September 1987)				SA	MP	LE		1	<u> </u>	Inspector PFR
J 9,	GRADE	O Depth Feet	No.	Dep11 Typ	7	Blows. Per 6"	Ñ.	CLASSI	FICATION	REMARKS
	1.27.77.77		1	6-9				LT. ERW	SELTY JAME	
4" 200	-	-	2	2-4	$\prod$			LT BRW - G BRTLU +	FELL MATGRIAL	
CASENG CASEN	-	-5 -	3	4-6	$\prod$		_	FELL MAT	FREGL -GRE: SJON	•
		-	4	8-/0		<b>.</b> .		BLACK ,4 U.	MEL MATERIAL	<u> </u>
Bening 7	-	-10								
	-	- -15	-5	13-15	1			HUMEC -R GROV	MATTER (PEAT-LILE) SANDY CLOU	DAMP
		<del>-</del>	6	15-17	<u> </u>			4umac ,	MATTER (AM- LIKE)	DAMP
	· · · · · ·		7	121	9				ATTER PEAT-LIKE	DAMP
4" PVL	TEICIE -	-20	8	ر-9ر	<u>                                     </u>		-	GOVERN FOR	n sand c matter	Minp
20.50	<u> </u>	-25	9	۶۲-۶ <i>و</i>	<u> </u>			TR	Tom sony	WET
		-	./0	(۲۰۶۱	-		_	GREY -LT. CLAYEY	Saw	WET
		-30	//	J 75		<del> </del>	_		SANÙ	WET
		30		29-31	#		_	GREAN- G	Ò	WET
	<del></del>		/3	31-33	1			GREEN - 6	ne Finis	WET
	বে : -					L				<b>02</b> 3

- I. D.			00 E				M	w.∂	Sheet a of a
CONS	L STRUCTION	Depth	No.	Depth Type	,	Olows per 6"	N.	CLASSIFICATION	REMARK
·			14	33-35				GREY-LT. FRN F CLAYFY SAND	WET
	35	†				<del></del>		EOB,	
		<del> </del>							
		‡							
		The American				u.			
7		+							
	·	†							
		†							
		<u> </u>							
		<u> </u>					,		
		+							
		†							
		I							
		1							
		+							
,		†	 						
		†							
1		Ī							
	024	Ī							



# JAMES C. ANDERSON ASSOCIATES INC. DRILLING CONTRACTOR

<b>,</b>	907	Pleasant V	alley /	Avenu			Mount	La	urel, New Jers	ey 08054	(609) 722-6700
	PROJECT:	FLOWE									Sheet 1 of 2
ļ	CLIENT:	NAC									Job No. MUEZOO
	G	ROUNDWATE	R .			(	ORILLI	NG	METHOD	DEPTH .	1.D. No. MW 3
	Date	Time	Dep	oth			/ <b>3</b> "	HS	A	0' 10 4/5'	Date Started 4-20.
	6-JU-88	100	30	_		_ಎ	"×24	n	SMON	to	Date Finished 6-21-
١										to .	Driller J. TESTER
,	WELL CON	STRUCTION	ROD AW_		:		STATE	PE	RMIT NO.	SPOON SIZE 2"3"	Elevation
ı	T 1000	2		_ '\	S/	MPI	LF	-	,	2_2_3	Inspector PFR
	Ţ	14/2.	Depth Feet	No.	Dept Ty	h /	Blows Per 6"	N.	CLASS	FICATION	REMARKS
	584VE #	١	-0 -	,	ن ۱۰				LT PRN		-
ŀ	~		-		2-4	_  _	<del></del>			1. SALID	
j		19	- -5			$+\!\!\!+$	<del> </del>	[—			
			-	3	4-6	<u>                                     </u>			LT. BRN 61455 1	F SAND	4" RECOVERY
	4" PVC -	-	-						-		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1	Casing					$\dashv$ T			GREEN	CZ474	
١	Berlow 14	-	10	4	8-10	<u>'                                     </u>	ļ			-c. sand	DAMP
	court -										
		JESSE -	-			$ \mid$ $-$	·				
		4 ×3 (M)	- -15	5	13-1	۲			GREEN	F. SAND	DAMP
	į į		+	6	15-1	2			ر الاحداث المارية المارية	F. SAIUD	DAMP
		- -	‡	7	17-	19	-		GREEIU	F. SAND	DAMP
	Bentonile   Pellets	7	20	8	19.3	·/ !	-		GREEN	F. 54135	DANP
	•		Ţ		<u> </u>	_ _	· · · · · · · · · · · · · · · · · · ·				
	דעצ מיס		- -25	9.	23-	,5	_	_	THER WELF	F. SAND	WET
	SCH 40		†	10	25.	ر ارد				REEN CLAY ~/"	DAMP
)			† †	//	37.	9	-		F SAND	LT. OPN - YELLOW GROWN CLAY	DIMP
			<del> </del> 30	19	9د	1			GREEN	F.M. SAIN	WET
			‡	/3	31-3	3	-		GREEN	F.M-C SAIUD	WET
		=:1	+				!		128		025

	·									
ı D.	NUMBER	MN	EZ	∞6			^	nu	3	Sheet a of a
WELL	TRUCTION	Deoth	Feet	No	Depth/		Dlows per 6"	N.	CLASSIFICATION	REMARK
		35		14	31-25				GREEN - GREY F. M. ( SAN)	WET
		ŀ		•						
		40		15	38-44				LT. BRN - VELLOW GREY F.M SAND	WET
		† -} -				_				
		45		16	43.45		ļ	_	EOB	WET ->
<i>;</i> ~		1		•						
		†								
									·	
1		<u> </u>								·
		†							·	
		†								
		Ţ	İ		,					
		1								
		+								
		†								
	• •	+		·						•
	026	5 ‡								
	•	+							,47)	

### SECTION F

#### PROCESS PLOW DESCRIPTION

## 1. General Description of Treatment Capabilities

The Treatment Processes at the Facility are designed by means of physical and chemical processes to separate oil containing waste streams into their component parts. These materials, primarily oil, sludge (sediment) and water are then disposed of by various appropriate approved methods to be discussed further in this submittal.

The processes used at the Facility are able to separate liquid waste streams as described by the New Jersey Waste Codes X721 through X728, X900, and D001 (limited to high flash material).

NJ Hazardous Waste Number	Hazardous Waste
1. X721	Waste automotive crankcase and lubricating oils from automotive service and gasoline stations, truck terminals, and garages:
2. X722	Waste oil and bottom sludge generated from tank cleanouts from residential/commercial fuel oil tanks.
3. X723	Waste oil and bottom sludge generated by gasoline stations when gasoline and oil tanks are tested, cleaned or replaced.
4. X724	Waste petroleum oil generated when tank trucks or other vehicles or mobile vessels are cleaned, including, but not limited to, oily ballast water from product transport units of boats, barges, ships or other vessels.
5. X725	Oil spill cleanup residue which: A. is contaminated beyond saturation; or B. the generator fails to demonstrate that the spill material was not one of the listed hazardous waste oils.
6. X726	The following used and unused waste oils: metal working oils; turbine lubricating oils; diesel lubricating oils; and quenching oils.

心管心学表

- 7. X727 Waste oil from the draining; cleaning or disposal of electric transformers.
- 8. X728 Bottom sludge generated from the processing, blending, and treatment of waste oil processing facilities.
- 9. X900 Non-Hazardous liquid industrial wastes which are disposed of at a hazardous waste facility.
- 10. D001 Waste oil bearing liquids having a flash point less than 140 F, but greater than 100 F and not included in 1-12 above.

The facility is able to treat wastes which are essentially aqueous in nature. In some cases these wastes may be correctly categorized in the X721 to X728 categories. However, some oily aqueous wastes or other treatable industrial wastes fall into the X-900 category. Available disposal outlets include only POTW's or hazardous waste treatment facilities; many customers choose permitted TSD's when a POTW will not accept the waste or when they desire the record keeping and tracking that a hazardous waste facility provides.

The facility is also designed to safely handle and process materials with flash points greater than 100 F. For example, with prior NJDEP approval, the facility has the authority to handle waste Isoparaffinic washing solvents (was approved by NJDEP for receipt from Phillip A. Hunt Chemical Corp. - Waste Kerosene).

These and other similar types of wastes are not, by definition, characterized by the "X" codes but do meet the definition of D001. The facility can safely handle these types of D001 wastes that are greater than 100 F in flash point and are combustible but not flammable per US Department of Transportation Hazardous Material Code NA 1993. D001 wastes will be accepted only in small quantities relative to overall waste acceptance. These wastes will be placed into tanks already containing sufficient quantities of compatible higher flash oils, such that the tanks will never contain combustible, characteristically hazardous mixtures.

# 2. Operational Categorization of Waste Streams

The facility is capable of accepting and treating a wide variety of waste streams with varying concentrations of oil, sediment (sludge) and water.

In order to help identify the treatment processes to which these varying wastes will be directed, they have been divided into the following categories, and assigned the following process codes:

CC = Oil/water stream (>80% oil)

CB = Oil/water stream (>30% oil)

CA = Primarily aqueous stream (<1% oil)

CH = Oil/water stream with high sediment content

CE = Oil/water stream with significant emulsified fraction

A process code is determined for each waste stream during the waste acceptance procedure prior to the material actually arriving at the facility. Upon arrival at the facility the waste material's characteristics are checked and used along with, the process code to determine the treatment required.

Subsequent to confirming the proper treatment for each incoming waste stream, the material is off loaded through the receiving system (Drawing A) and, if necessary, the oil/water separation system (Drawing B) and is then transferred into one or more of the seventeen (17) 15,000 gallon or four (4) 25,000 gallon waste storage tanks (Drawing AA).

# 3. Description of Treatment and Processes Equipment

The REMTECH facility utilizes the following processes to transfer, treat and/or store oil contaminated waste streams:

_	Waste Receiving System	(Drawing A)	
_	Oil/Water Separator System	(Drawing B)	
-	Tank System	(Drawing AA)	
	Ultrafiltration System	(blawing AA)	
	(component of Waste Water		
	Treatment System)	(Drawing C)	
-	Solid Bowl Centrifuge System	(Drawing D)	
-	Waste Water Treatment System	(Drawing E)	
-	Filtration and High Speed	(brawing E)	
	Centrifuging System	/Describe ma	
_	Brosses Heatler Town	(Drawing F)	
_	Process Heating Loop System	(Drawing G)	
-	Process Flow Schematic	(Drawing H)	
		(~~~~~iig ii)	

The specific flow of waste material through the facility and the sequence of treatment processes to be employed will be dependent on the waste materials' physical characteristics and/or contaminants. A <u>Process flow Schematic</u> is attached as Drawing H.

Listed below is a description of each major piece of equipment grouped under the process system which functions:

#### WASTE RECEIVING SYSTEM A.

Refer to Attached Drawing A

This system is used to off-load incoming waste from tank trucks and feed the material to the oil/water separator system or directly to the tank system.

Trucks are unloaded by gravity into the receiving tank where two bar filter screens remove gross solids. Pumps then pass the waste material to the oil/water separator system or directly to a previously designated storage tank at a rate of up to 500 gpm.

## Equipment List A

- Name t Bar Screen Tank

Description:

Carbon Steel Open Top Tank,  $6' \times 10' \times 3'$  High with 3/8" and 3/16" bar filter screens to remove larger debris. Trucks unload by

gravity into this tank.

Quantity: 1

Material of

Construction: Carbon Steel

Capacity: Up to 500 qpm

Static

Capacity: 1500 Gallons

#### В. OIL/WATER SEPARATOR SYSTEM

- Refer to Attached Drawing B

This system is used to separate waste streams with two or more phases into free oil (i.e., oil not in emulsion), sediment (sludge), and aqueous (water) streams.

Incoming wastes are passed through this system at a rate of up to 500 gallons per minute (gpm). The outgoing aqueous phase is then pumped to storage in one or more of tanks C1, C2, C3, 7, 8, 9, 10, 11, or 12 for future treatment in the Waste Water Treatment System.

The outgoing oil phase is pumped to storage in tanks 1, 2, 3, 4, 5, 6, A, or B for further treatment in the Filtration and High-speed Centrifuging System, Solid Bowl Centrifuge System, the Process Heating System, and/or an oil heating tank.

The outgoing sediment phase is pumped to storage in tank A or B for further treatment in the Solid Bowl Centrifuge.

# Equipment List B:

- Name:

Oil/Water Separator

Description:

A coalescer separator to remove free oil and sediment from oil contaminated water. **Separator Employs** steam heatêd prevent freezing. Great Lakes Environmental

model SCR-500

學生

Quantity

Size:

10' wide \* 9' long x 8' high

Material of

Construction:

Carbon Steel with Coal Tar Epoxy Coating

Capacity:

Up to 500 gpm

Static

Capacity:

5000 Gallons

- Name:

Sump Pump

Description:

Wilden Model M15 used to pump stormwater from receiving and oil/water separator secondary

containment to the oil/water separator.

Quantity:

2

- Name:

Water Pump Tank

Description:

Accumulation tank for water exiting the

oil/water separator.

Size:

3' wide x 6' long x 4' high

Material of

Construction:

Carbon Steel

Static

Capacity:

500 Gallons

- Name:

Water Feed Pump

Description:

Pumps which deliver aqueous streams from the

water pump tank to the tank system Gould Model 3196.

170

Quantity:

2

- Name:

Oil Pump Tank

Description:

Accumulation Tank for oil exiting the

oil/water separator

Size:

3' wide x 6' long x 4' high

Material of

Construction:

Carbon Steel

Static

Capacity:

500 Gallons

- Name:

を から

Oil Feed Pump

Description:

Pumps which deliver oil streams from the oil pump tank to the tank system. Gould Model

3196.

Quantity:

2

- Name:

Basket Strainer

Description:

Rosedale Products, Model 24. Oil and water streams flow through separate banks of

filters.

Quantity:

4 % (42each for oil and water)

- Name:

Sludge Pump

Description:

A Moyno P.D. pump which removes the sediment from the oil/water separator and delivers it to the tank system for further processing.

Quantity:

1

Size:

6 "

Material of

Warefrai Or

Construction: Carbon Steel

#### AA. TANK SYSTEM

- Refer to Drawing AA

These seventeen 15,000 gallon tanks are used for receipt of incoming wastes and/or storage of intermediate process materials. Four 25,000 gal. tanks may be used for this purpose and storage of product oil. Four proposed 25,000 gal. tanks will be used for product oil only.

Eight tanks currently have steam heating capability. Heating may be employed to lower viscosity for improved

pumpability or to enhance separation of oil and water phases and breaking of emulsions. Separation aiding chemicals may also be added.

- Name: Storage Tanks

Description: Above-ground vertical storage tanks with (1)

18" diameter manway on top and one 24'

diameter 4-ft: from bottom.

Size: 17 - 10' diameter x 25'6" high

8 - 12' diameter x 30'0" high

Quantity: 25

Material of

Alexander

Construction: Carbon Steel

Capacity: 17 - 15,000 Gallons (nominal)

8 - 25,000 Gallons (nominal)

#### C. <u>ULTRAFILTRATION SYSTEM</u>

(a component of the waster treatment system - Drawing E)

- Refer to Revised Drawing C

This equipment is a component of the waste water treatment system which is described in Section E below.

Pre-treated water wastes are pumped from the wastewater treatment system into tank C1 or C2, from which the material is pumped to the Ultra-Filtration Unit under pressure. Water passes through the membranes of the unit into a 1000 gallon storage tank at up to 30 gpm, and thence to the plant sewer system or back to the waste water treatment system for treatment in the final process stages (carbon adsorption is The balance of the material passes currently proposed). back to tank C1. Tank C1 is periodically replenished with waste water pumped from the waste water treatment system or a tank containing wate of similar characteristics until the oil content in tank C1 reaches 25-40%. At this time, the concentrated material is pumped to another storage tank for heating, chemical addition, or further treatment based on material characteristics.

# Equipment List C:

- Name:

U.F. Feed Pump

Description:

A centrifugal pump which pumps pre-treated aqueous material from the process tank to the Ultra-Filtration system. The balance of material flows back to the process tank.

Quantity:

Size:

3" x 2" x 8"

Material of

Construction:

Cast Steel

Capacity!

100 gpm

- Name:

Line Heater

Descriptions

A 40 sq. ft. spiral tube and shell heat exchanger which heats product from tank C1 prior to ultra-filtration.

2<u>4.1. - 33.</u>

Quantity:

Sizet

2'6" diam. x 1'3" high (40 sq. ft. of heating

area).

Material of

Construction:

Shell - Stainless Steel Tubes - Cupro - nickel

Capacity

50 gpm

Static

Capacity!

20 Gallons

- Name:

pH Control System.

Description:

A diaphragm metering pump and a pH control and probe which monitors and adjusts the pH of feed material to the Ultra-Filtration

Unit.

Quantity:

1

Material of

Construction:

pH probe-glass. Metering pump and associated

piping and valves-plastic/stainless steel.

Capacity:

Up to 1 gpm (metering pump).

- Name:

Circulating Pump

Description:

A centrifugal pump circulating process liquid

through the U.F. module.

Quantity:

1

Sizes

6" x 4" x 12"

Material of

Construction:

Cărbon Steel

Capacity

600 gpm

- Name:

Ultra-Filter Module

Description:

A series of 168, 1" x 10' membrane tubes for removal of oil from waste water. The process liquid is continuously pumped through the tubes, where waste water passes through the membrane, and thence to sewer discharge. Oil is thus prevented from being discharged to

sewer.

Quantity:

1

Size:

388 Sq. Ft.

Material of

Constructions

Koch Membrane Filter Systems

HDPE Pipe - Membrane Material Proprietary

Capacity:

30 gpm

Static

Capacity:

128 Gallons

- Name:

Water Storage Tank

Description:

A 1000 Gallon storage tank for receipt of

treated water prior to sewer discharge.

Quantity:

1

Size:

10220102

6' diam. x 7' high

Material of

Construction:

High density polyethylene

Capacity:

1000 gallons (nominal)

# D. SOLID BOWL CENTRIFUGE SYSTEM

- Refer to Drawing D.

This equipment is used to separate liquid and solid phases of wastes. High sediment wastes or sludges are heated to reduce viscosity and then passed to the solid-bowl centrifuge for separation of the oil/water and sediment phases.

The equipment relies on centrifugal force to separate by gravity the dense (sediment) phase from the light (oil and/or water) phase. Each centrifuge has a capacity of up to 35 gpm.

The sediment phase is collected in drums or self-dumping hoppers (1.5 cu. yd.) for transport to the container storage building, disposal, or further off-site treatment prior to disposal.

The liquid phase, depending upon the nature and content of the material will be passed to another treatment process, or to product storage according to the following parameters:

- i) Material containing less that 2% BS&W (bottom sediment and water) may be pumped to product storage.
- ii) Material containing less than 15% BS&W in free emulsion (i.e. separable by gravity) will be pumped to either vibrating filters or through basket strainers to remove solids prior to high-speed centrifuges where water and sediment will be removed.
- iii) Material containing more than 15% BS&W, or oil and water in an emulsion will be pumped to the heated tanks for further treatment.

Chemical flocculents and/or coagulants may be injected directly into the feed to the solid bowl centrifuges as an aid to improving either the condition of the oil and/or assisting the removal of sediment and water from the liquid phase.

Equipment List D:

- Name: Flocculent/Coagulant Injection Pump

Description: A diaphragm pump capable of delivering up to

0.5% of flow capacity from a drum into the process line prior to the solid bowl

centrifuge:

Quantity:

Size: 1/2"

Material of

Construction: Plastic/Stainless Steel

Capacity: 0.35 gpm

- Name: Solid-Bowl Centrifuge

Description: A liquid/solid centrifugal separator operated

on a continuous basis to remove sediment from

oil/water mixtures.

Quantity:

Size: 4' long x 2.5' wide x 3' high

Material of

Construction: Stainless Steel

Capacity: 35 gpm

Static

Capacity: 5 Gallons each

- Name: Liquid Phase receiver

Description: A 20 gallon carbon steel column with level

control and high level feed cut-off.

Material of

Construction: Schedule 40 C.S. pipe

Capacity: 20 gallons

- Names

Delivery Pump

Description:

A Moyno P.D. Pump controlled by a varying column pressure capable of delivering a continuous flow of liquid to:

as Tank System

bi Emulsion breaking system

Filtration/high speed centrifuge system C)

d) Product storage tanks

Quantity:

Sizet

Material of

Construction: Carbon Steel/Stainless Steel

Capacity

68 apm

#### R. WASTE WATER TREATMENT SYSTEM

Refer to Drawing E

This equipment is used for treatment of water prior to sewer discharge. All process water and wash water from the process building passes through this system prior to discharge to the City of Camden Sewer System, and thence, to the Camden County Municipal Utilities Authority Treatment Plant in the City of Camden.

The existing equipment described in this section is temporary system which is in the process of being optimized pursuant to an agreement with the Camden County Municipal Utilities Authority (CCMUA). A schedule for completion of a final report, and implementation of a permanent system are included in Section F-3 of this application.

The waste water treatment system is comprised of a series of physical and chemical treatment steps which include:

- pH adjustment in line
- equalization if fiberglass tanks
- oil/water separation
- addition of flocculents, coagulants, or pH adjusting chemicals.
- dissolved air flotation
- surge equalization
- filtration in basket strainers

- air stripping in a fiberglass column
- oxidation by addition of hypochloride or use of an ozone generator.
- ultrafiltration (this system is described separately in section C)
- carbon adsorption

Water exiting this system is discharged to the CCMUA sewer. Waters treat in this system will vary in composition depending on their source. These may be process waters or rainwater collected in diked areas. Depending on the type and level of contamination, waters may bypass particular treatment steps which are determined not to be required to meet discharge parameters.

#### Equipment List E!

- Name: Chemical Feed Pump

Description: Thompson Chemtrex Polypropylene drum pump

used for addition of pH adjustment chemicals.

Capacity: Up to 40 gpm (generally run at less than .5%

of waste water flow rate)

- Name: Equalization Tanks

Description: Vertical tanks for flow equalization

Material: Fiberglass Reinforced Plastic (FRP)

Quantity: 2

Static

Capacity: 3500 gallons each

- Name: Oil Water Separator

Description: Great Lakes Environmental Model SRC-100

Coalescing Separator with CPVC packing

Capacity: 100 gpm

Static

Capacity: 900 gallons

- Name:

Oil Collection Tank

Description:

Collection tank for oil exiting the oil/water separator and the dissolved air flotation

unit. (1 each)

Material:

FRP

Capacity:

150 gallons each

- Name:

Chemical Addition Tank

Description:

Steel tank with variable speed mixer used for

addition of chemicals prior to dissolved air

flotation.

Quantity:

1

Static

Capacity:

350 gallons

- Name:

Dissolved Air Flotation (DAF) Unit

Description:

13.5 square foot DAF unit used to float

flocculated oil out of waste water.

Static

Capacity!

425 gallons

- Namet

Surge Tank

Description:

Small FRP tank used to equalized flow exiting

the DAF unit.

Static

Capacity:

300 gallons

- Name:

Pump

Description:

2" double diaphragm pump used to feed waste

water through the basket filters

Quantity

- Namet

Filter baskets

1000

Description:

Basket/bag filters set up in two parallel

series of 3 filters each.

Quantity:

- Name:

Air Stripping Column

Description:

2' diameter x 25' tall FRP column with 18' of 2" Jeager Tripacks. The column has a 2" thick polyurethane mist eliminator and a centrifugal fan with a maximum air flow of 300 cfm.

Quantity:

1

- Name:

Oxidation Tank

Description:

High Density Polyethylene (HDPE) TANK used

- 福州

for hypochloride or ozone addition.

Quantity:

1

Static

Capacity:

300 gallons

- Name:

Ozone Generator

Description:

20 gram ozone per hour generation system to

feed oxidation tank

Quantity:

1

- Name:

Carbon adsorbers

Description:

Modular units containing 2000 pounds of activated carbon each for the final treatment

step.

Quantity:

2

Static

Capacity:

500 gallons each

# F. FILTRATION AND HIGH SPEED CENTRIFUGING SYSTEM

- Refer to Drawing F

This treatment system is used for the final treatment of oil containing less than 3% sediment (sludge) and less than 15% water in free emulsion.

The material is passed over vibrating screens to remove some solids, and then heated in line heaters prior to being pumped to high speed centrifuges. Here, water is also pumped into the centrifuges. Free water contained in the oil together with sediment leaves the centrifuge with the water phase, and is passed to a settlement tank where the excess water is drained off and pumped to the tank system or the oil/water separator for further treatment. The clarified oil phase is then pumped to product storage.

The settled sludge in the settlement tank is periodically pumped off and to storage in tank A or B for processing through the solid bowl centrifuge.

#### Equipment List F:

- Name: Vibrating Screens

Description: Kason 48" vibrating screens with stainless

steel mesh to prevent large particle size solids from reaching the high speed

centrifuges.

Quantity: 2

Size: 48"

Materials of

Construction: Carbon Steel/Stainless Steel

Capacity: 35 gpm

Static

Capacity: None

- Name: Demulsifier Injection System

Description: An injection pump capable of delivering up to

0.5% of flow rate to the pipe prior to the vibrating screens to allow better separation of oil and water to occur at the high speed

centrifuge.

Quantity:

**Size:** 0.5"

Materials of

Construction: Stainless Steel/Plastic

Capacity: 0.5 gpm

- Name: Intermediate Pumps

Description: Mono M.D. 70 P.D. pumps to remove process

liquid from the vibrating screens to in-line heaters, and thence to the high speed

centrifuge.

Quantity:

Size: 70MM (3")

Materials of

Construction: Cast Iron/Stainless Steel

Capacity: 35 gpm

- Name:

Line Heaters

Description:

Hairpin tube and shell heat exchangers which are used to heat process liquid to as high as 200 F before introduction to the high speed centrifuges. High pressure steam (up to 100 psig) is used as the heating medium and condensate is returned for reuse:

Quantity:

Sizet

15 sq. ft.

Materials of

Construction:

Carbon Steel

Capacity:

17.5 gpm

Static

Capacity:

15 gallons each

- Name:

High Speed Centrifuges

Description:

Sharples D1500 high-speed nozzle bowl-type centrifuges to remove sediment up to 3% and water up to 15% from the process fluid. Water is added at up to 14 gpm, and the sediment and water from the process liquid leaves the centrifuge with the water phase. The clarified oil phase leaves the centrifuge separately for removal to product storage.

Quantity:

Size:

3' long x 3' wide x 4' high

Materials of

Construction:

Cast Steel, Cast Aluminum, Stainless Steel

Capacity:

17.5 gpm

Static

Capacity:

15 gallons each

- Name:

Product Pumps

Description:

Mono MD 70 P.D. pumps which remove clarified oil from the high speed centrifuges and deliver it to the product tanks or back to

the oil heating tanks.

Quantity:

2

Size:

70mm (3")

Materials of

Construction:

Cast Iron/Stainless Steel

Capacity:

35 gpm

340 n43

- Name:

Settlement Tank

Description:

A V-bottom sectional tank where water from the high-speed centrifuges is recycled for further use. The sediment settles to the bottom of the tank, and any free oil plus weirs top water from the for treatment prior to disposal. The sediment (Bludge) is pumped to tank A or B for further processing.

Quantity:

Size:

20' long x 8' wide x 8' high

Materials of

Construction:

Carbon Steel

Capacity:

2400 gallons

- Name:

Recirculation Pumps

Description:

Centrifugal pumps which deliver clarified water from the settlement tank to the water calorfiers and thence to the high speed centrifuges.

Quantity:

2

Size:

3" x 2"

Materials of

Construction: Carbon Steel

Capacity:

54 gpm

- Name:

Water Calorifiers

Description:

Hairpin tube and shell heat exchangers which are used to raise the temperatures of recycle water from the settlement tank to 150 F prior to delivery to the high speed centrifuges.

Quantity:

2

Size:

20 sq. ft.

Materials of

Construction:

Carbon Steel

Capacity:

Carbon Steel

Static

Capacity:

20 gallons each

- Name t

Intermediate Water Pumps

Description:

Centrifugal sump pumps which remove water from the collection tank, after discharge from the high-speed separators, and return it

to the settlement tank for recycling.

Quantity:

Size:

3" x 2" x 6"

Materials of

Construction:

Carbon Steel

Capacity:

68 gpm

- Name:

Sludge Pump

Description:

A Moyno P.D. pump which periodically removes accumulated sludge from the settlement tank and delivers it to tank A or B for further processing.

Quantity:

1

Sizes

Materials of

Construction:

Cast Steel/Stainless

Capacity:

50 gpm

#### G. HEATING LOOP SYSTEM

- Refer to Drawing G

For purposes of lowering viscosity to enable separation to occur more easily, extensive use of heat is used in many of the treatment processes. Heat is also provided in storage tanks to enable high viscosity materials to remain pumpable and/or to enhance phase separation during storage.

This heat is provided by steam from an on-site 150 H.P. steam raising boiler, fired by natural gas or #2 oil. condensate is recovered and reused.

- A heating loop (Drawing G) which permits heating of a) process material up to 200 F is provided to heat material prior to treatment in the following systems:
  - The solid-bowl centrifuge
  - The filtration/high speed centrifuge system ii)
  - iii) Tank system
- The Ultra Filtration System (Drawing C) feed is heated b) to as high as 140 F to enable higher rates of throughput to be achieved, and to maintain system cleanliness.

- c) The Filtration/High Speed Centrifuge System (Drawing F) has line heaters installed which allow heating to 200 F prior to high-speed centrifuging.
- d) The Oil/Water Separator System (Drawing B) has heaters installed to prevent freezing in cold conditions.
- e) The WWTS (Drawing E) has heaters installed to prevent freezing in cold conditions.
- f) Various storage tanks have plate heaters installed which allow highly viscous materials to be stored, and remain pumpable. These tanks can be heated up to 200° F.

#### Equipment List G:

Note: As shown on Drawing G, a second system may be added in the future if needed. All quantities listed below would then be doubled.

- Name:

Spiral Heat Exchangers

Description:

These are used to pre-heat process liquid to as much as 200 F prior to treatment in:

- a) The solid bowl centrifuge system
- b) The tank system
- c) The filtration and high speed centrifuge system

The heat exchangers are of spiral plate internal construction, heated by H.P. steam (up to 100 psig). The condensate is returned for reuse.

Quantity:

2

Size:

40 sq. ft.

Materials of

Construction:

Carbon Steel Shell/Stainless Steel Internals

Capacity:

100 qpm

Static

Capacity:

50 gallons each

3 4

- Name:

Flow Control Valve/Back Pressure Valve

Description:

This pair of control valves are of the pinch-valve type. As the operator opens the flow control valve, the back pressure valve closes, forcing process liquid to the required treatment system. The valves are infinitely variable from 0% - 100% open.

Quantity:

1 Pair

Size:

3"

Material of

Construction:

Cast Iron

Capacity:

100 gpm

- Name:

Process Pumps

Description:

Mono MD70 pumps receiving process liquid from:

a) Tank System

b) Directly from an off-loading truck and delivering it to heat exchangers for pre-heating prior to treatment. Liquid is drawn off at a flow control valve after the heat exchangers, and the balance is recirculated to the process pumps.

Quantity:

2

Size:

70mm (3")

Material of

Construction:

Cast Iron/Stainless Steel

Capacity:

50 gpm

# This Page Intentionally Left Blank

# Reference No. 4



FINAL DRAFT

SITE INSPECTION REPORT

FLOWEN OIL DELAWARE VALLEY CORP.

CAMDEN, CAMDEN COUNTY, NEW JERSEY

VOLUME 1 OF 3

HEED INVESTIGATION FRANKAGTRUMES AT SE UNCONTROLLED HAZARDOUS SUBSTANCES FACILITIES — ZONE I

AKUS COPPORATIONS ABEL ROUNDISKISTON

# FINAL DRAFT SITE INSPECTION REPORT FLOWEN OIL DELAWARE VALLEY CORP. CAMDEN, CAMDEN COUNTY, NEW JERSEY VOLUME 1 OF 3

PREPARED UNDER

TECHNICAL DIRECTIVE DOCUMENT NO. 02-9011-20 CONTRACT NO. 68-01-7346

**FOR THE** 

ENVIRONMENTAL SERVICES DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY

**JUNE 28, 1991** 

NUS CORPORATION SUPERFUND DIVISION

**SUBMITTED BY:** 

LAURA LAFORGE PROJECT MANAGER

Kuth Billy

SITE MANAGER

**RÉVIEWED/APPROVED BY:** 

RONALD M. NAMAN FIT OFFICE MANAGER

#### SITE SUMMARY AND RECOMMENDATIONS

The Flowen Oil Delaware Valley Corp. Site is located at 1800 Carman Street in Camden, Camden County, New Jersey. Figures 1 and 2 provide a site location map and a site map, respectively. The site exists on a rectangular lot, approximately 2 acres in size. The site terrain is flat and there is a waste oil recycling facility located on it. The site is completely paved, fenced, and surrounded by a 6-inch curb. The site is bordered to the north by Carman Street, to the west by Goodwill Industries, and to the south and east by vacant lots (Ref. Nos. 1, 6, 75).

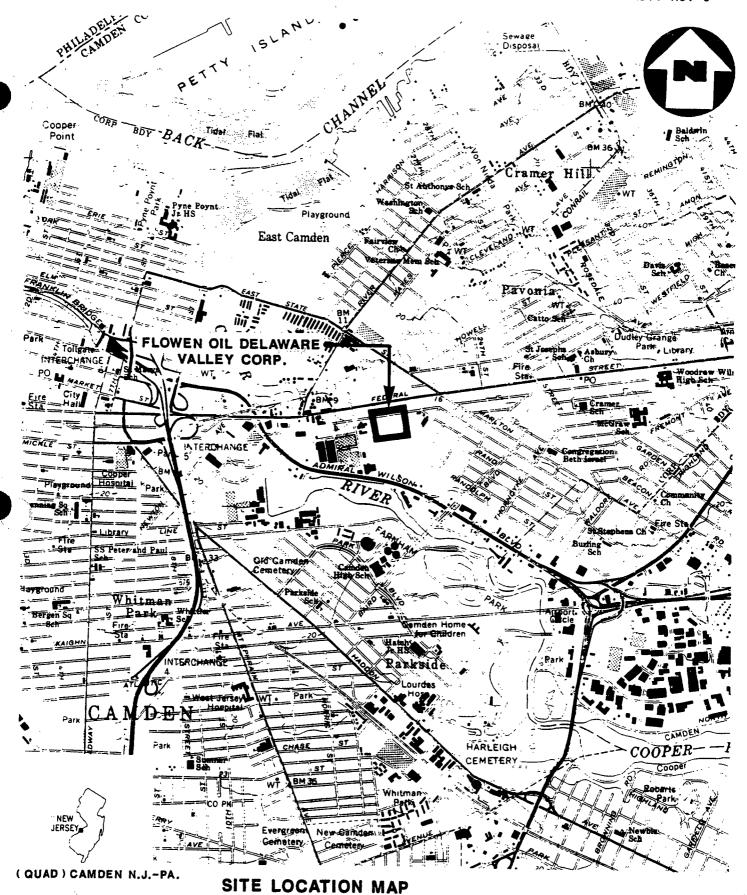
On June 10, 1981, the New Jersey Department of Environmental Protection (NJDEP) issued a Certificate of Approved Registration and Engineering Design Approval to Flowen Oils Delaware Valley, Inc. for a waste oil recycling plant, which began operations in 1982. This facility was permitted to accept various waste oil types, bottom sludge, and residue generated from the following: tank cleanouts of residential/commercial fuel oil tanks, gasoline stations, tank testing, tank truck and mobile vessel cleanouts, oil spill cleanups, and the draining, cleaning, or disposal of electric transformers. These are identified as NJDEP hazardous waste numbers X721, X722, X723, X724, X725, X726, X727, and X728. Other wastes which the facility was permitted to accept were dissolved air flotation (DAF) float, slop oil emulsion solids, heat exchanger bundle cleaning sludge, and API separator sludge, all byproducts of the petroleum refining industry, and waste oil bearing liquids having a flash point between 100° and 140° F. These are identified as EPA hazardous waste numbers K048, K049, K050, K051, and D001. This facility consisted of an office, lab, process house, boiler house, incoming waste tank farm, finished product tank farm, and wastewater treatment system. After the wastewater is passed through the on-site wastewater pretreatment system, then it is carried by the City of Camden sewer system to the Camden County Municipal Utilities Authority (CCMUA) main sewage treatment plant, located in the City of Camden, which eventually discharges to the Delaware River. Numerous spills and violations occurred at the facility while it was under ownership by Flowen Oils Delaware Valley, Inc. Some of the violations were issued for excessive amounts of oil on the ground and others were issued for discharging oil to the City of Camden sewer system. This facility has had numerous air permits, but no evidence of violations were found within background information. In November 1989, Remtech Environmental Group acquired Flowen's waste oil recycling facility (Ref. Nos. 5, 6, 18, 20, 21, 33, 45-47, 49-53, 55-71, 73, 74).

On July 6, 1988, Northeastern Analytical Corp. sampled the three monitoring wells on site. The samples were analyzed for volatile organics, petroleum hydrocarbons, total organic carbon, metals, pH, and total dissolved solids. There were no notable concentrations of contaminants detected within

Rev. No. 0

## SITE SUMMARY AND RECOMMENDATIONS (CONT'D)

the samples taken (Ref. No. 6). concentrations above the Maximum Contaminant Levels (MCLs). These contaminants cannot be attributed to the site because upgradient wells were unable to be sampled; there was an insufficient volume of water in well No. 2 and well No. 1 was inaccessible due to site operations. Due to potential groundwater contaminants resulting from on-site spills and the large population being served by groundwater within the vicinity of the site, a recommendation of an **EXPANDED SITE INSPECTION** under CERCLA/SARA is given to the Flowen Oil Delaware Valley Corp. Site (Ref. Nos. 75-77).



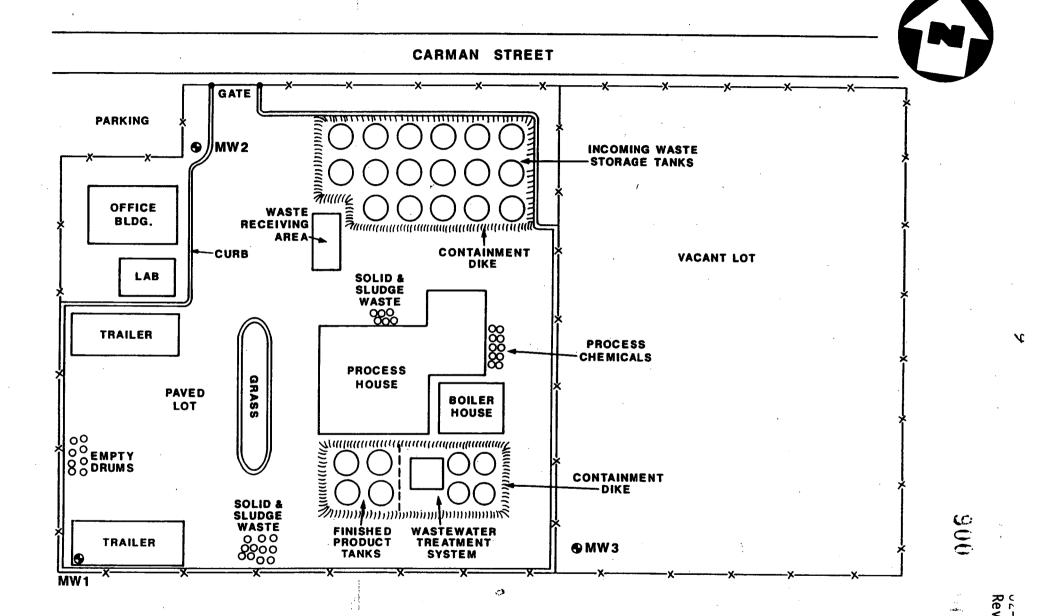
FLOWEN OIL DELAWARE VALLEY CORP.

CAMDEN, N.J.

SCALE: 1"= 2000'

FIGURE 1





## SITE MAP

FLOWEN OIL DELAWARE VALLEY CORP., CAMDEN, N.J.

NOT TO SCALE

FIGURE 2



# SITE ASSESSMENT REPORT: SITE INSPECTION

### **PART I: SITE INFORMATION**

1.	Site Name/Allas	<u>Flowen Oil Delav</u>	vare Valley Cor	<u>o.</u>	
	Street 1800 Ca	rman Street			
	City <u>Camden</u>		•	State New Jersey	Zip <u>08105</u>
2.	County Camde	n		County Code 007	Cong. Dist. <u>1</u>
3	EPA ID No. NJD	980536577			
1.	Block No. <u>1431</u>			Lot No.	· 1
5.		′ 35" N	•	Longitude 75° 05′ 53″	
	The product of the second	amden, New Jerse			144, 12
5.		e Management Te		Tel. No. (212) 505- 8196	
,	Street 141 Fifth	Avenue			
	City New York			State New York	Zip <u>10010</u>
7.	Operator Remt	ech Environmenta	l Group	Tel. No. <u>(609)</u> 365-5544	
	Street 1800 Car	men Street			
	City <u>Camden</u>	u		State New Jersey	Zip_08105
3.	Type of Owners	hip			
	☑ Private	☐ Federal	☐ State		
	☐ County	☐ Municipal	□ Unkr	nown Oth	ner
),	Owner/Operato	r Notification on F	ile		
	☐ RCRA 3001	Date	<u></u>	☑ CERCLA 103c Da	ate <u>2-15-90</u>
	■ None	☐ Unkno		_	
0.	Permit Informat	ion			
	Permit	Permit No.	Date Issued	d Expiration Date	Comments
	CCMUA	2992-CA	01/01/87	12/31/89	
	NJDEP Air Pollution Contro	049860 ol	04/03/83	04/03/93	Storage Tank P1

Co	nť	d
----	----	---

Permit	Permit No.	Date Issued	Expiration Date	Comments
NJDEP Air Pollution Control	049861	07/13/81	04/03/93	Storage Tank P2
NJDEP Air Pollution Control	049862	07/13/81	04/03/93	Storage Tank P3
NJDEP Air Pollution Control	049863	7/13/81	04/03/93	Storage Tank P4
NJDEP Air Pollution Control	049864	07/13/81	04/03/93	Boiler Stack
NJDEP Air Pollution Control	049865	07/13/81	04/03/93	Storage Tank B
NJDEP Air	049866	07/13/81	04/03/93	Storage Tank A
NJDEP Air Pollution Control	049867	07/13/81	04/03/93	Storage Tank 12
NJDEP Air Pollution Control	049868	07/13/81	04/03/93	Storage Tank 11
NJDEP Air Pollution Control	049869	07/13/81	04/03/93	Storage Tank 10
NJDEP Air Pollution Control	049870	07/13/81	04/03/93	Storage Tank 9
NJDEP Air Pollution Control	049871	07/13/81	04/03/93	Storage Tank 8
NJDEP Air Pollution Control	049872	07/13/81	04/03/93	Storage Tank 7
NJDEP Air Pollution Control	049873	07/13/81	04/03/93	Storage Tank 6
NJDEP Air Pollution Control	049874	07/13/81	04/03/93	Storage Tank 5
NJDEP Air Pollution Control	049875	07/13/81	04/03/93	Storage Tank 4
NJDEP Air Pollution Control	049876	07/13/81	04/03/93	Storage Tank 3
NJDEP Air Polution Control	049877	07/13/81	04/03/93	Storage Tank 2

Cont'd Permit Permit No. **Date Issued Expiration Date Comments** NJDEP Air 049878 07/13/81 04/03/93 Storage Tank 1 **Pollution Control** NJDEP Air 073712 12/11/85 11/30/92 Roof Vent on **Pollution Control** Process Bldg NJDEP Air 076163 11/24/86 11/24/91 C2; Stack No. 023 **Pollution Control** NJDEP Air 076164 11/24/86 11/24/91 C3; Stack No. 024 NJDEP Air 076278 11/24/86 11/24/91 C1; Stack No. 022 **Pollution Control** NJDEP Air 050018 04/15/81 04/15/91 Gas Storage Tank **Pollution Control** NJDEP Air 090279 03/28/89 03/28/94 **Pollution Control** Site Status ☐ Inactive □ Unknown **Years of Operation** 1<u>982</u> to Present Identify the types of waste sources (e.g., landfill, surface impoundment, piles, stained soil, above- or below-ground tanks or containers, land treatment, etc.) on site. Initiate as many waste unit numbers as needed to identify all waste sources on site. (a) **Waste Sources** Waste Unit No. **Waste Source Type Facility Name for Unit** 1 Tanks/ Containers **Incoming Waste Storage Tanks** 2 Drums Solid and Sludge Waste (b) Other Areas of Concern

11.

12.

13.

Identify any miscellaneous spills, dumping, etc. on site; describe the materials and identify their locations on site.

3/30/83 - Spill- Approximately 25 gallons of oil was discharged to the Camden City storm drain system after the failure of an oil-water separator.

9

6/17/83 - Notice of Violation - Failure to properly label waste oil drums.

11/3/83 - Notice of Violation - Improperly labelled drums and manifests.

12/9/83 - Notice of Violation - Excessive amounts of oil on ground around incoming tank farm.

12/15/83 - Notice of Violation - Excessive amounts of oil on ground around tank farm.

1/11/84 - Spill - 25 gallons of waste oil spilled when a tank was overfilled in the tank farm

3/7/84 - Spill - 15-20 gallons of waste oil spilled when a hose ruptured in the tank farm area.

3/19/84 - Notice of Violation - Discharge of waste oil onto ground.

4/17/84 - Spill - A hose ruptured, causing a spill of waste oil.

7/25/84 - Spill - A tank truck spilled approximately 5 gallons of oil on a Camden highway.

8/6/84 - Spill - 15-20 gallons of waste oil was spilled due to a tank overfill.

9/10/84 - Spill - 75-100 gallons of waste oil was spilled due to a tank overfill.

8/20/85 - Spill - 12 gallons of waste oil was spilled from a tank truck parked on a storage lot.

1/22/86 - Notice of Violation - Discharging oil to City sewer system.

2/6/86 - Notice of Violation - Discharging oil to City sewer system.

3/7/86 - Spill - Waste oil spill in tank farm area.

8/29/86 - Notice of Violation - Operating without a permit.

12/12/86 - Spill - Alleged waste oil spill.

9/14/87 - Spill - Tank truck off-loading waste water into facility storm drain system.

11/6/87 - Administrative Order - Notice of Civil Administrative Penalty Assessment and Notice of Intent to Revoke Hazardous Waste Licenses.

12/14/88- Spill - Oil and water spill.

12/15/88-Spill - 50 gallons of waste oil spilled due to tank overfill.

14.	Information available from					
	Contact Amy Brochu	Agency U.S. EPA	Tel. No. <u>(908)</u> 906-6802			
	Preparer Keith Billy	Agency NUS Corp. Region 2 FIT	Date June 28, 1991			

Ref. Nos. 1-3, 5, 6, 18-21, 29, 33, 45-66, 68, 70-74

#### PART II: WASTE SOURCE INFORMATION

For each of t	the waste units identified in F	Part I, complete the following items.	
Waste Unit	1	Incoming Waste Storage Tanks	
Source Type			·
•	Landfill	Contaminated Soil	
<del></del>	Surface Impoundment	Pile	
<del>-,</del>	Drums	Land Treatment	
X	Tanks/Containers	Other	
		cated along the northern border of the site. To concrete berm.	he tanks are or
	Vaste Quantity g waste storage area consists	of 17 15,000-gallon, aboveground tanks.	<b>92</b>

#### Hazardous Substances/Physical State

The facility is approved to accept various waste oil types including NJDEP hazardous waste numbers X721, X722, X723, X724, X725, X726, X727, and X728; EPA hazardous waste numbers K048, K049, K050, K051, and D001. In January 1987, it was determined that Flowen had inadvertently accepted PCB-contaminated waste oil which was stored in two on-site tanks.

Ref. Nos. <u>5, 6, 21, 29-37, 40, 75</u>

#### PART II: WASTE SOURCE INFORMATION

te Unit		Solid and Sludge Waste	
rce Type	!		
	Landfill	Contaminated Soil	
	Surface Impoundment	Pile	
<u> </u>	Drums	Land Treatment	•
<del></del>	Tanks/Containers	Other	
cription	· · · · ·		
	udge waste is stored in 55-gallo n a paved area and are shipped	n drums along the southern border of thoff site for disposal.	ne site. The

#### Hazardous Substances/Physical State

conducted an on-site reconnaissance.

The facility is approved to accept various waste oil types including NJDEP hazardous waste numbers X721, X722, X723, X724, X725, X726, X727, and X728; EPA hazardous waste numbers K048, K049, K050, K051, and D001. Sludges leaving the facility in drums are classified by NJDEP as waste types X728 and X725.

Approximately 80 drums were stored on site on January 23, 1991, when NUS FIT 2 personnel

Ref. Nos. <u>5, 6, 21, 29-37, 40, 75</u>

10012

PART III: SAMPLING RESULTS

#### **EXISTING ANALYTICAL DATA**

On July 6, 1988, Northeastern Analytical Corp. sampled the three monitoring wells on site. The samples were analyzed for volatile organics, petroleum hydrocarbons, total organic carbon, metals, pH, and total dissolved solids. There were no notable concentrations of contaminants detected within the samples collected (Ref. No. 6).

#### **SITE INSPECTION RESULTS**

On March 5, 1991, personnel from NUS Corporation Region 2 FIT collected two groundwater samples from the site. All of the samples were analyzed under the Contract Laboratory Program (CLP) for Target Compound List (TCL) constituents. The organic analysis was performed by Ceimic Corp. and the inorganic analysis was performed by Betz Laboratories Inc. Contaminants detected in the samples were trans-1,2-dichloroethene, chromium, and lead at concentrations of 11, 117, and 375 micrograms per liter (ug/L), respectively. The chromium concentration is an estimated value. The results from the sampling site inspection are listed in Table 1, and the sample location is illustrated in Figure 3 (Ref. Nos. 75-77).

SITE NAME: FLOWEN OIL DELAWARE VALLEY CORP. TDD8: 02-9011-20

SAMPLING DATE: 3/5/91

TABLE I

SITE INSPECTION SAMPLE RESULTS FLOWEN OIL DELAWARE VALLEY CORP.

CAMDEN, N.J.

€.

EPA CASE NO.: 16001 LAB: CEINIC			FLOWEN OII		
YOLATILES Sample ID No. Traffic Report No. Matrix Units Dilution Factor Percent Moisture	NJHV-GML(MS/MSD) BHE17 WATER Ug/L 1.0	MJHV-GM2(DUP) BHE18 MATER ug/L 1.0	NJHV-RIMI BNE 21 WATER Ug/L I.O	MJHV-TBLK1 BHE22 WATER Ug/L 1.0	
Chloromethane Bromomethane Vinyl Chloride Chloromthane	J		J	.) B	
Methylene Chloride Acetone Carbon Disulfide			В	B B	
1,1-Dichloroethene 1,1-Dichloroethane Trans-1,2-Dichloroethene (total) Chlorofore	J 11	J 9			
1,2-Dichloroethane 2-Butanone 1,1,1-Trichloroethane Carbon Tetrachloride					
Vinyl Acetate Bromodichloromethane 1,2-Dichloropropane cis-1,3-Dichloropropene					
Trichloroethene Dibromochloromethane 1,1,2-Trichloroethane Benzene					
trans-1,3-Dichloropropene Bromoform 4-Methyl-2-Pentanone 2-Hexanone					
Tetrachloroethene Toluene 1,1,2,2-Tetrachloroethane Chlorobenzene					
Chlorobenzene Ethylbenzene Styrene . Xylenes (Total)					
NOTES: Blank space - compound analyzed for but					

not detected

B - compound found in lab blank as well as sample, indicates possible/probable blank contamination

E - estimated value

J - estimated value, compound present

below CRQL but above IDL R - analysis did not pass EPA QA/QC

N - Presumptive evidence of the presence of the rial

MR - anaí

cequired wated if Dilution Detection Factor 11 andro; ant moisture 10%

Isophorone 2-Witrophenol 2,4-Dimethylphenol Benzoic acid

Naphthalene 4-Chloroaniline

OT

Hexachlorobutadiene 4-Chloro-3-Methylphenol

2-Methylnaphthalene Hexachlorocyclopentadiene 2.4.6-Trichlorophenol 2.4.5-Trichlorophenol 2-Chloronaphthalene

bis(2-Chloroethoxy)methane 2.4-Dichlorophenol 1,2,4-Trichlorobenzene

SITE INSPI SAMPLE RESULTS FLOWEN OIL DELAWARE VALLEY CORP.

CAMDEN, N.J. (cont'd) NJHV-GN1 MJHV-GM2 HJHV-RINI NJHV-TBLKI BHE17 BHEIB BHE21 BHE22 WATER WATER WATER WATER ug/L ua/L ug/t ug/L 1.0 Ç, 1.0 1.0 N/A N/A MR NR MR NΩ NR

2-Mitroaniline Dimethylphthalate Acenaphthylene 2,6-Dinitrotoluene 3-Mitroaniline Acenaphthene 2.4-Dimitrophenol 4-Witrophenol Dibenzofuran 2,4-Dinitrotoluene Diethylphthalate 4-Chlorophenyl-phenyl ether Fluorene 4-Mitroaniline 4.6-Dinitro-2-methylphenol N-mitrosodiphenylamine - 4-Bromophenyl-phenyl ether Hexachlorobenzene

MR

SITE NAME: FLOWEN OIL DELAWARE VALLEY CORP.

TDD8: 02-9011-20

SAMPLING DATE: 3/5/91

EPA CASE NO.: 16001 LAB: CEIMIC

#### TABLE I SITE INSPECTION SAMPLE RESULTS FLOWEN OIL DELAWARE VALLEY CORP. CAMDEN. N.J.

SENT-VOLATILES	•			C	AMUEN, N.
Sample ID Mo. Traffic Report Mo. Matrix Units Dilution Factor/GPC Cleanup (Y) Percent Moisture	MJHV-GM1 BME:7 WATER Ug/L 1.0	MJHV-GM2 BHE18 MATER Ug/L 1.0	MJHV-RIMI BHE21 MATER Ug/L 1.0	NJHV-TOLKI OHE22 WATER Ug/L N/A N/A	(cont'd) ⇔
Pentachlorophenol Phenanthrene				NR	••
Anthracene	į			MR	
Di-n-butylphthalate	:			NR NR	
Fluoranthene			•	MR	
Pyrene			*	MR	
Butylbenzylphthalate				NR	
3,3'-Dichlorobenzidine			•	WR	
Benzo(a)anthracene	;			NR	
Chrysene	:			NR ·	
bis{2-Ethylhexyl}phthalate	;			MR	
Di-n-octylphthalate	- 1			MR	
Benzo(b)fluoranthene	:			MR	
Benzo(k)fluoranthene				HR	
Benzo(a)pyrene			•	NR	
Indeno(1,2,3-cd)pyrene				NR	
Dibenz(a,h)anthracene				KR	
Benzo(g,h,i)perylene	;			NA	

#### NOTES:

Blank space - compound analyzed for but not detected

B - compound found in lab blank as well as sample, indicates possible/probable blank contamination

E - estimated value

J - estimated value, compound present below CRQL but above IDL

R - analysis did not pass EPA QA/QC

N - Presumptive evidence of the presence of the material

MR - analysis not required

Detection limits elevated if Dilution

Factor >1 and/or percent moisture >0%

J11-20

SAMPLING DATE: 3/5/91 EPA CASE NO.: 16001 LAB: CEIMIC

### TABLE I

SITE INSPI DN SAMPLE RESULTS FLOWEN OIL DELAWARE VALLEY CORP. CAMDEN, N.J.

(cont'd)

•				٠,٠
PESTICIDES Sample ID Mo. Traffic Report Mo: Matrix Units Dilution Factor/GPC Cleanup (Y) Percent Moisture	MJHY-GW1 BRE17 MATER Ug/L 1.0	MJHV-GW2 BHELB WATER Ug/L 1.0	NJHV-RINI BHE21 MATER Ug/L 1.0	NJHV-TBLKI BHE22 WATER Ug/L N/A N/A
alpha-BHC beta-BHC delta-BHC gamma-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDT Hethoxychlor Endrin ketone alpha-Chlordane gamma-Chlordane Toxaphene Aroclor-1221 Aroclor-1242 Aroclor-1248 Aroclor-1254 Aroclor-1254 Aroclor-1250				MR MR MR MR MR MR MR MR MR MR MR MR MR M

#### NOTES:

Blank space - compound analyzed for but not detected

- B compound found in lab blank as well as sample, indicates possible/probable blank contamination
- E estimated value
- J estimated value, compound present below CRQL but above IDL
- R analysis did not pass EPA QA/QC
- M Presumptive evidence of the presence of the material
- NR analysis not required

Detection limits elevated if Dilution

factor >1 and/or percent moisture >0%





1000: 02-9011-20 SAMPLING DATE: 3/5/91 EPA CASE NO .: 16001 LAB MAME: BETZ

SITE INSPECTION SAMPLE RESULTS FLOWEN OIL DELAWARE VALLEY CORP. CAMDEN, N.J. (cont'd)

IMDRGAMICS Sample 1D No. Traffic Report No. Matrix Units	MJHV-GN1 (MS/MSD) MBF014 WATER Ug/L	MJHV-GM2(DUP) MBF015 MATER Ug/L	NJHY-RINI MBFQ18 NATER Ug/L	(CO NJRV-TBLKI N/A <> N/A Ug/L
Alusinus	21200 €	18900 E	j ·	NR ·
Ántimony	:		-	NR
Arsenic	; R	R	R	MR
Barivo	281	347		HR
Beryllium	6.2	8.7		MR
Cadnius	¦ J	J		MR
. Calcium	136000	134000	3	NR
Chronium	: 117 E	88.3 E		HR
Cobalt	; 3	J		MR
Copper	; 83.8 €	111 E	J	HR
1ron	109000 E	110000 E	J.	` NR
Lead	224	375		MR
Magnesium	; 81900	78500	. 3	MR
Manganese	; 934	1180		WR
Hercury	; 0.39 E	0.92 E		MR
Hickel	; J	J		MR
Potassium	; 38500	36100		MR
Selenium	:			HR
Silver .	:			HR
Sodium	45900 E	47400 E	J	NR
Thallium	:			MR
Vanadium	: 420 E	504 E		MR
Zinc	: 636	770	J	MO

Blank space - compound analyzed for but not detected

- E estimated value
- J estimated value, compound present below CRDL but above IDL
- R analysis did not pass EPA QA/QC
- MR analysis not required

SITE INSPEL IN SAMPLE RESULTS FLOWEN OIL DELAWARE VALLEY CORP. CAMDEN, N.J.

MJHV-TBLKI BHE22 WATER Ug/L 1.0

Sample ID Mo. Traffic Report Mo. Matrix Units Dilution Factor Percent Moisture	MJHV-GM1(MS/MSD)   BHE17   WATER   Ug/L   1.0 	MJHV-GM2(DUP)  BHE18  MATER  ug/L  1.0	NJHV-RTHI BHE21 Water Ug/L 1.0
Chloromethane- Bromomethane Vinyl Chloride		•••••••••••••••••••••••••••••••••••••••	J
Chloroethane Methylene Chloride	J		8
Acetone Carbon Disulfide 1,1-Dichloroethene			
1,1-Dichloroethane Trans-1,2-Dichloroethene (total) Chloroform	J 11	ð 1	
1,2-Dichloroethane 2-Butanone 1,1,1-Trichloroethane			
Carbon Tetrachloride Vinyl Acetate		•	
Bromodichloromethane 1,2-Dichloropropane cis-1,3-Dichloropropene			
Trichloroethene Dibromochloromethane 1.1.2-Trichloroethane			
Benzene trans-1,3-Dichloropropene Bromoform			
4-Methyl-2-Pentanone 2-Hexanone			
Tetrachloroethene Toluene 1,1,2,2-Tetrachloroethane	 		

NOTES:

Ethylbenzene Styrene Xylenes (Total)

Blank space - compound analyzed for but not detected

- B compound found in lab blank as well as sample, indicates possible/probable blank contamination
- E estimated value
- J estimated value, compound present below CRQL but above IDL
  - R analysis did not pass EPA QA/QC
  - N Presumptive evidence of the presence
- of the material

  HR analysis not required

Detection limits elevated if Dilution

Factor >1 and/or percent moisture >0%

# TABLE I SITE INSPECTION SAMPLE RESULTS FLOWEN OIL DELAWARE VALLEY CORP. CAMDEN, N.J. (cont'd)

EPA CASE NO.: 16001 LAB: CEIMIC			FLO	WEN OIL	
SEMI-VOLATILES	!			l	CAM 1
Sample ID No.	NJHV-GNI	NJHV-GW2	NJHV-RIN1	NJHV-TBLK1	'
Traffic Report No.	BHE17	BHE18	BHE21	BHE22	
Matrix	WATER	WATER	WATER	WATER	
Units	¦ ug/L	ug/t	ug/L	ug/L	
Dilution Factor/GPC Cleanup (Y)	1.0	1.0	1.0	N/A	
Percent Moisture		••	••	N/A	
Phenol	!			NR	••
bis(2-Chloroethyl)ether	į			HR	
2-Chlorophenol	į			HR	
1.3-Dichlorobenzene	1			NR.	
1,4-Dichlorobenzene	:			HR	
Benzyl alcohol	1			HR	
1,2-Dichlorobenzene				NR	
2-Methylphenol				HR	
bis(2-Chloroisopropyl)ether	:			NR	
4-Hethylphenol N-Nitroso-di-n-dipropylamine	į			NR	
Hexachloroethane	•			MR	
Hitrobenzene	1			MR	
Isophorone	•			NR ND	
2-Nitrophenol	!			NR NR	
2,4-Dimethylphenol				HR	
Benzoic acid	i			NR	
bis(2-Chloroethoxy)methane				NA	
2.4-Dichlorophenol	1			NR	
1,2,4-Trichlorobenzene	1			NR	
Naphthalene	1			NR	
4-Chloroaniline	•			NR	
Hexachlorobutadiene	1			MR	
4-Chloro-3-Methylphenol				NR	
2-Methylnaphthalene Hexachlorocyclopentadiene	;			NR	
2.4.6-Trichlorophenol	i 1			NR	
2,4,5-Trichlorophenol	:			NR	
2-Chloronaphthalene	!			NR · NR	
2-Witroaniline	i			NA NA	
Dimethylphthalate	:			NR	
Acenaphthylene				NR	
2,6-Dinitrotoluene				NA .	
3-Mitroaniline	t I			MR	
Acenaphthene	) 			NR	
2.4-Dinitrophenol				NR	
4-Witrophenol	}			NR	
Dibenzofuran				NR	
2,4-Dinitrotoluene				MR	
Diethylphthalate				NR	
4-Chlorophenyl-phenyl ether !				HR	
4-Mitroaniline				- NR	
4,6-Dinitro-2-methylphenol		•		NR	
H-nitrosodiphenylamine				MR	
4-Bromophenyl-phenyl ether				NR Nr	
Hexachlorobenzone				NR ·	

Kev. No.

SAMPLING UMTE: 3/5/91

EPA CASE NO.: 16001 LAB: CEIMIC

# SITE INSPECTING SAMPLE RESULTS FLOWEN OIL DELAWARE VALLEY CORP. CAMDEN, N.J.

SEMI-VOLATILES	!			. CAMUEN, N.		
Sample ID No. Traffic Report No. Matrix Units Dilution Factor/GPC Cleanup (Y) Percent Moisture	NJHV-GWI BHE17 WATER Ug/L 1.0	MJHV-GM2 BHE18 MATER Ug/L 1.0	MJHV-RIN1 BHE21 WATER Ug/L 1.0	MJHV-TBLK1 BHE22 WATER Ug/L N/A N/A	(cont'd)	
Pentachlorophenol		••••••	•••••	NR		
Phenanthrene	;			MR		
Anthracene	<u> </u>		-	NR		
Di-n-butylphthalate				NR		
Fluoranthene	<u> </u>			NR		
Pyrene				NR		
Butylbenzylphthalate				NR		
3.3'-Dichlorobenzidine	1			NR		
Benzo(a)anthracene	į			NR		
Chrysene				NR		
bis(2-Ethylhexyl)phthalate	į			HR		
Di-n-octylphthalate				NR		
Benzo(b)fluoranthene				NR		
Benzo(k)fluoranthene	į					
Benzo(a)pyrene	!			HR Nr		
Indeno(1,2,3-cd)pyrene				HR		
Dibenz(a,h)anthracene	į			NR		
Benzo(g,h,i)perylene	İ			AK NA		

#### NOTES:

Blank space - compound analyzed for but not detected

- B compound found in lab blank as well as sample, indicates possible/probable blank contamination
- E estimated value
- J estimated value, compound present below CROL but above IDL
- R analysis did not pass EPA QA/QC
- N Presumptive evidence of the presence of the material

NR - analysis not required

Detection limits elevated if Dilution

Factor >1 and/or percent moisture >0%

TABLE I

SITE INSPECTION SAMPLE RESULTS FLOWEN OIL DELAWARE VALLEY CORP.

CAMDEN, N.J. (cont'd)

'PESTICIDES Sample ID Mo. Traffic Report Mo. Matrix Units Dilution Factor/GPC Cleanup (Y) Percent Moisture	NJHV-GW1 BHE17 WATER Ug/L 1.0	HJHV-GW2 BHE1B WATER Ug/L 1.0	NJHV-RINI BHE21 Water Ug/L 1.0	NJHV-TBLKI BHE22 WATER Ug/L M/A N/A
alpha-BHC beta-BHC delta-BHC gama-BHC (Lindane) Heptachlor Aldrin Heptachlor epoxide Endosulfan I Dieldrin 4,4'-DDE Endrin Endosulfan II 4,4'-DDD Endosulfan sulfate 4,4'-DDI Methoxychlor Endrin ketone alpha-Chlordane gama-Chlordane Toxaphene Aroclor-1221 Aroclor-1222 Aroclor-1242 Aroclor-1248				MR MR MR MR MR MR MR MR MR MR MR MR MR M
Araclar-1254 Araclar-1260				NR NR NR

#### NOTES:

Blank space - compound analyzed for but not detected

SITE MANE: FLOWEN DIL DELAWARE VALLEY CORP.

EPA CASE NO.: 16001 LAB: CEIMIC

TDD#: 02-9011-20

SAMPLING DATE: 3/5/91

- B compound found in lab blank as well as sample, indicates possible/probable blank contamination
- E estimated value
- J estimated value, compound present - below CROL but above IDL
- R analysis did not pass EPA QA/QC
- N Presumptive evidence of the presence

of the material

NR - analysis not required

Detection limits elevated if Dilution

factor >1 and/or percent moisture >0%





FLOWEN DIL DELEWARE VALLEY CORP.

1001: 02-9011-20 SAMPLING DATE: 3/5/91 EPA CASE NO .: 16001 LAB NAME: BETZ



# SITE INSPECTION SAMPLE RESULTS FLOWEN OIL DELAWARE VALLEY CORP. CAMDEN, N.J. (cont'd)

INORGANICS	:		(	
Sample ID Mo. Traffic Report Mo. Matrix Units	MJHV-GWI(MS/MSD) MBFQ14 MATER Ug/L	MJHV-GM2{DUP} MBF015 MATER Ug/L	NJHV-RINI NBFQ18 NATER Ug/L	NJHV-TBEK1 H/A H/A Ug/L
Aluminum	21200 E	3 000BI	J	HR
Antimony	1			NR
Arsenic	¦ R	R	R	NR.
Barium	281	347		NR
Beryllium	6.2	8.7		NR
Cadajun	¦ J	J		HR
Calcius	: 136000	134000	<b>J</b> 2	NR
Chromium	117 E	88.3 E		NR
Cobalt	1 1	J		NR
Copper	\$ 83.8 E	111 E	J	NR
Iron	; 109000 E	110000 E	J .	MR
Lead	224	375	-	NR.
Magnesium	1 81900	78500	j	NR.
Manganese	934	1180		NR
Hercury	; 0.39 E	0.92 E		NR NR
Nickel	; j	J		NR
Potassium	38500	36100		NR
Selenium	;			NR ·
Silver	•			NR
Sodium	45900 E	47400 E	J	MR
Thallium		.,,,,,	·	NR NR
Vanadium	420 E	504 E		NR
Zinc	636	770	J	NR

#### NOTES:

Blank space - compound analyzed for but

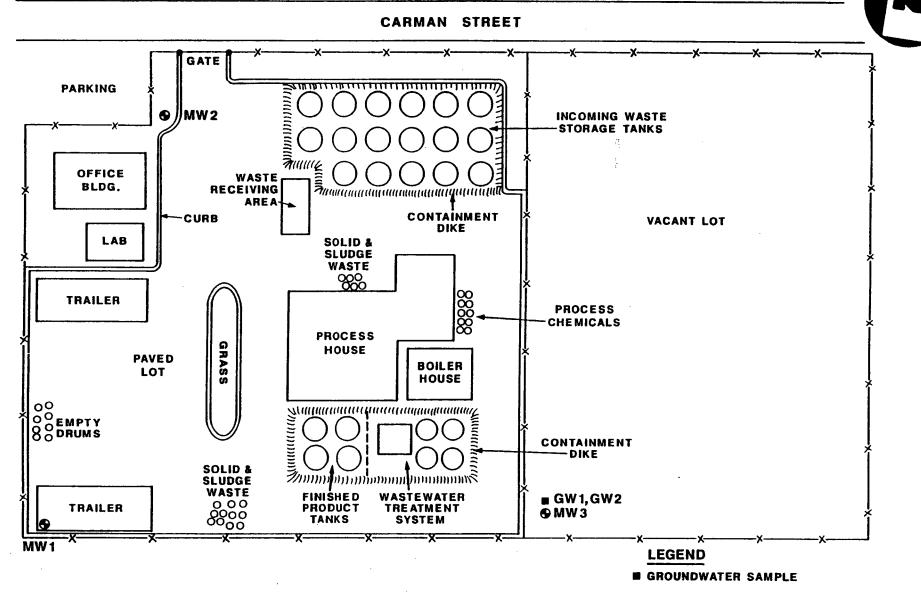
not detected

E - estimated value

J - estimated value, compound present below CRDL but above IDL

R - analysis did not pass EPA QA/QC

NR - analysis not required



## SAMPLE LOCATION MAP

FLOWEN OIL DELAWARE VALLEY CORP., CAMDEN, N.J.

NOT TO SCALE



FIGURE 3

## SAMPLE LOCATION MAP

FLOWEN OIL DELAWARE VALLEY CORP., CAMDEN, N.J.

NOT TO SCALE

FIGURE 3



### PART IV: HAZARD ASSESSMENT

### **GROUNDWATER ROUTE**

1. Describe the likelihood of a release of contaminant(s) to the groundwater as follows: observed release, suspected release, or none. Identify contaminants detected or suspected and provide a rationale for attributing them to the site. For observed release, define the supporting analytical evidence.

A release of contaminants to groundwater is suspected. All three monitoring wells were sampled for volatile organics, petroleum hydrocarbons, and metals on July 6, 1988. There were no notable concentrations of contaminants detected within the samples collected. NUS Corporation Region 2 FIT sampled the downgradient well for TCL contaminants on March 5, 1991. Contaminants detected in the samples were trans-1,2-dichloroethene, chromium, and lead; however, these cannot be attributed to the site since no upgradient samples were able to be collected.

Ref. Nos. 6, 75-77

2. Describe the aquifer of concern; include information such as depth, thickness, geologic composition, areas of karst terrain, permeability, overlying strata, confining layers, interconnections, discontinuities, depth to water table, groundwater flow direction.

The aquifer of concern is the Potomac-Raritan-Magothy aquifer system. The Potomac Group and the Raritan and Magothy Formations are river deposits of early to late Cretaceous age which overlie pre-cretaceous crystalline rocks. The site lies within the outcrop area. The thickness of the aquifer is less than 300 feet. The aquifer system is made up of sand and some gravel. The sands are separated by silt and clay confining layers. The permeability of the sand and gravel which overlies the upper aquifer of the Potomac-Raritan-Magothy system is greater than 10<sup>-3</sup> centimeters per second (cm/sec). The upper aquifer consists mainly of sands of the Magothy Formation. It is overlain by and hydraulically connected to sand and gravel deposits of Pleistocene age. The middle and lower aquifers consist mainly of sands of the Raritan Formation and the Potomac Group. The direction of groundwater flow is greatly influenced by withdrawals in the area near the Delaware River. The direction of groundwater flow under the site is reportedly toward the east. The depth to groundwater is less than 30 feet.

Ref. Nos. 6-8, 10, 75

3. Is a designated well head protection area within 4 miles of the site?

Well head protection area information for this region is presently unavailable.

Ref. No. 9

4. What is the depth from the lowest point of waste disposal/storage to the highest seasonal level of the saturated zone of the aquifer of concern?

The depth from the lowest point of waste storage (ground level) to groundwater is approximately 30 feet.

Ref. No. 75

5. What is the permeability value of the least permeable continuous intervening stratum between the ground surface and the aquifer of concern?

The permeability of the sand and gravel which overlies the upper aquifer of the Potomac-Raritan-Magothy system is greater than 10-3 cm/sec.

Ref. No. 10

6. What is the net precipitation for the area?

The net precipitation for the area is approximately 19.2 inches.

Ref. No. 11

7. What is the distance to and depth of the nearest well that is currently used for drinking purposes?

The nearest well to the site that is used as a potable supply is well No. 50 (labelled 37 on the Four-Mile Vicinity Map (Ref. No. 3)), which is used by the New Jersey-American Water Company. This well is located approximately 4,500 feet from the site and withdraws water from the Potomac-Raritan-Magothy aquifer from a screened interval of 139 to 170 feet.

Ref. Nos. 3, 4, 12-17

8. If a release to groundwater is observed or suspected, determine the number of people that obtain drinking water from wells that are documented or suspected to be located within the contamination boundary of the release.

At this time there is no available data to indicate a release or suspected release of contaminants to the groundwater which could be attributable to the site.

Ref. Nos. 6, 75-77

9. Identify the population served by wells located within 4 miles of the site that draw from the aquifer of concern.

<u>Distance</u>	<b>Population</b>
0 - ½ mi	0
> ½ - ½ mi	0
> ½ - 1 mi	7,941
>1 - 2 mi	55,474
>2 - 3 mi	13,714
>3 - 4 mi	60,518

All or portions of Camden, Cherry Hill Township, Collingswood, Gloucester City, Haddon Township, Merchantville, and Pennsauken Township lie within a 4-mile radius of the site. There are six seperate water companies which have wells within this 4-mile radius, all of which distribute the water to the public of the aforementioned municipalities through blended systems.

Ref. Nos. 3, 4, 12-17

10. Identify uses of groundwater within 4 miles of the site (i.e. private drinking source, municipal source, commercial, irrigation, unuseable).

Groundwater within 4 miles of the site is used for potable, domestic, institutional, industrial, and irrigational purposes.

Ref. Nos. 4, 12-17

### **SURFACE WATER ROUTE**

11. Describe the likelihood of a release of contaminant(s) to surface water as follows: observed release, suspected release, or none. Identify contaminants detected or suspected and provide a rationale for attributing them to the site. For observed release, define the supporting analytical evidence.

There is a suspected release of contaminants to surface water. On March 30, 1983, approximately 25 gallons of oil was discharged to the City of Camden system, which carries the water to the Camden County Municipal Utilities Authority (CCMUA) main sewage treatment plant, which eventually discharges into the Delaware River, after the failure of an oil-water storm drain system separator.

Ref. Nos. 5, 6, 18-21, 75

12. Identify the nearest downslope surface water. If possible, include a description of possible surface drainage patterns from the site.

The nearest downslope surface water is from the site is the Delaware River. The surface water pathway from the site to the river would be through the City of Camden sewer system to the CCMUA main sewage treatment plant, which eventually discharges to the Delaware River.

Ref. Nos. 3, 6, 18-21, 75

13. What is the distance to the nearest downslope surface water? Measure the distance along a course that runoff can be expected to follow.

The distance from the site to the CCMUA main sewage treatment plant is approximately 2.25 miles.

Ref. No. 3, 6, 18-21, 75

14. Determine the floodplain that the site is located within.

The site is located within the 500-year floodplain.

Ref. No. 6

15. What is the 2-year 24-hour rainfall?

In the vicinity of the site, the 2-year 24-hour rainfall value is approximately 3.5 inches.

**Ref. No. 22** 

16. Identify drinking water intakes in surface waters within 15 miles downstream of the site. For each intake identify: the distance from the point of surface water entry, population served, and stream flow at the intake location.

There are no drinking water intakes in surface waters within 15 miles downstream of the site.

Ref. Nos. 3, 12-17, 23-25

17. Identify fisheries that exist within 15 miles downstream of the point of surface water entry. For each fishery specify the following information:

**Fishery** 

**Water Body Type** 

Flow (cfs)

**Delaware River** 

**Tidally Affected River** 

NA (tidal)

Ref. No. 26

18. Identify sensitive environments that exist within 15 miles of the point of surface water entry. For each sensitive environment specify the following:

**Environment** 

Water Body Type

Flow (cfs)

Wetlands

Tidally Affected River

NA (tidal)

Ref. No. 27

19. If a release to surface water is observed or suspected, identify any intakes, fisheries, and sensitive environments from question Nos. 16-18 that are or may be located within the contamination boundary of the release.

There is a suspected release of contaminants to surface water. Fisheries and sensitive environments that may be located within the contamination boundary of the release are the Delaware River and wetlands, respectively.

Ref. Nos. 26, 27

### **SOIL EXPOSURE PATHWAY**

20. Determine the number of people that occupy residences or attend school or day care on or within 200 feet of the site property.

There are no residences, schools or day cares within 200 feet of the site property.

Ref. No. 75

21. Determine the number of people that work on or within 200 feet of the site property.

There are approximately 10 people that work on the site property.

**Ref. No. 75** 

22. Identify terrestrial sensitive environments on or within 200 feet of the site property.

There are no known terrestrial sensitive environments existing on or within 200 feet of the site property.

Ref. No. 75

### **AIR ROUTE**

23. Describe the likelihood of release of contaminants to air as follows: observed release, suspected release, or none. Identify contaminants detected or suspected and provide a rationale for attributing them to the site. For observed release define the supporting analytical evidence.

A release of contaminants to the air has not been observed and is not suspected. The facility has had numerous air permits, but there is no evidence from background information or the site inspection to indicate a release of contaminants to the air.

Ref. No. 5, 75

24. Determine populations that reside within 4 miles of the site.

	<u>Population</u>
	1,700
State of	4,600
	23.400
	64,800
	91,000
	238,706
	<b>经要</b> 求

**Ref. No. 28** 

25. Identify sensitive environments and wetlands acreage within ½ mile of the site.

There are no sensitive environments or wetlands located within  $\frac{1}{2}$  mile of the site.

Ref. Nos. 3, 27, 75

26. If a release to air is observed or suspected, determine the number of people that reside or are suspected to reside within the area of air contamination from the release.

A release of contaminants to the air has not been observed and is not suspected. The facility has had numerous air permits, but there is no evidence from background information or the site inspection to indicate a release of contaminants to the air.

Ref. No. 5, 75

27. If a release to air is observed or suspected, identify any sensitive environments, listed in question No. 25, that are or may be located within the area of air contamination from the release.

A release of contaminants to the air has not been observed and is not suspected. The facility has had numerous air permits, but there is no evidence from background information or the site inspection to indicate a release of contaminants to the air.

Ref. No. 5, 75



### ATTACHMENT 1

### **EXHIBIT A**

MOSA.

### PHOTOGRAPH LOG

FLOWEN OIL DELAWARE VALLEY CORP. CAMDEN, CAMDEN COUNTY, NEW JERSEY

ON-SITE RECONNAISSANCE: JANUARY 23, 1991 SITE INSPECTION: MARCH 5, 1991

**受權的** 

# FLOWEN OIL DELAWARE VALLEY CORP. CAMDEN, CAMDEN COUNTY, NEW JERSEY JANUARY 23, 1991

### PHOTOGRAPH INDEX

### ALL PHOTOGRAPHS WERE TAKEN BY KATHY INDELICATO

Photo Number	Description	<u>Time</u>
1P-1	Looking east at incoming waste tank farm.	1321
1P-2	Looking west at incoming waste loading box.	1327
1P-3	Looking west at drums of process chemicals.	1330
1P-8	Looking west at drums of solid and sludge waste.	1342
1P-10,12	Looking west at facility (panorama).	1430
	MARCH 5, 1991	
1P-1	J. Filosa and A. Bonasera collecting NJHV-GW1 and NJHV-GW2 (duplicate).	1510



FLOWEN OIL DELAWARE VALLEY CORP., CAMDEN, CAMDEN COUNTY, NEW JERSEY



1P-1

January 23, 1991 Looking east at incoming waste tank farm.

1321



1P-2

January 23, 1991 Looking west at incoming waste loading box.



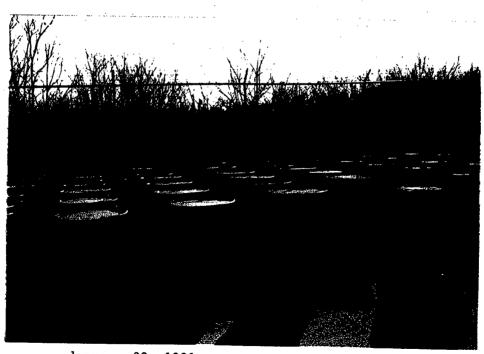
FLOWEN OIL DELAWARE VALLEY CORP., CAMDEN, CAMDEN COUNTY, NEW JERSEY



1P-3

January 23, 1991 Looking west at drums of process chemicals.

1330

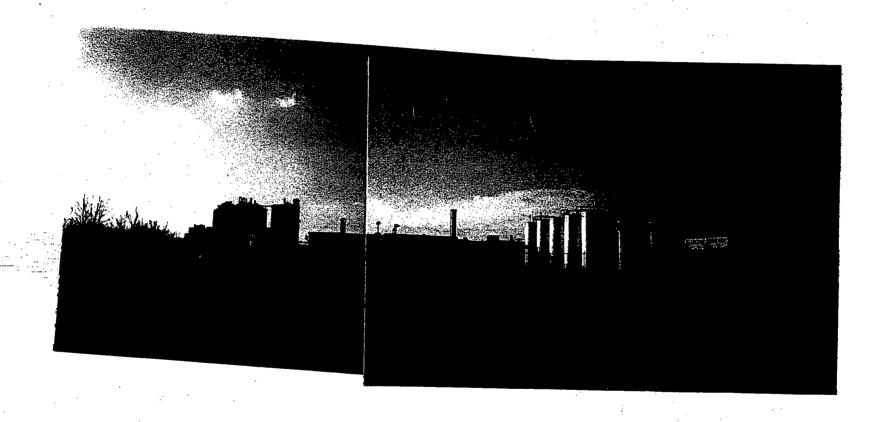


1P-8

January 23, 1991 Looking west at drums of solid and sludge waste.

1342

FLOWEN OIL DELAWARE VALLEY CORP., CAMDEN, CAMDEN COUNTY, NEW JERSEY



1P-10,12

January 23, 1991 Looking west at facility (panorama).





FLOWEN OIL DELAWARE VALLEY CORP., CAMDEN, CAMDEN COUNTY, NEW JERSEY



1P-1

March 5, 1991

J. Filosa and A. Bonasera collecting NJHV-GW1 and NJHV-GW2 (duplicate).

### REFERENCE NO. 4

Nowen Oil Delaware Valley Corp. File	DATE: June 21, 1991	
FROM: Keith Billy	COPIES:	
SUBJECT:		
SUBJECT: Wells within the four mile radius of REFERENCE:	t the Flower Oil Delaware Valley Corp. Sit	e_
The following 2 pages summarize	- the public water usage.	
within the four mile radius of the	Flores Oil Dalamas 1611	
Corp. Site. This summary correspon		
numbers 3, 12-17.		<u>.</u>
		·
~		
····		
•		
-		
		<del></del> ,

# This Page is Intentionally Blank

## Wells Within the Four Mile Radius of the Flowen Oil Delaware Valley Corp. Site

1;			· ·	Mil	e Radius R	ings Aro	und the	Flowen	Oil
	Well No.	Permit No.	Public Water Supplier	0-1/4	1/4-1/2	re Valley 1/2-1	/ Corp. ( <u>1-2</u>	Site <u>2-3</u>	<u>3-4</u>
-1.	Morris 6	5100051	Camden City, Water Division	-	<del></del>	<del></del>			X
2.	Morris 8	3100944	- ,						x
3.	Morris 11	3115745							x
4.	Morris 12	3116814							x
5.	Morris 13	3116813							x
6.	Delair 1	5100053							x
7.	Delair 2	5100054							x
8.	Delair 3	5100055							x
9.	Puchack 1	5100056							X
10.	City 11	5100061					X		~
11.	City 17	3101250					x		
12.	City 18	3109574				X			
13.	1	3100079	Collingswood Borough				χ.	, .	
14.	2	3104053	•				â		
15.	3	3104054					x	_	
16.	4	5100030					x		
17.	5	5100031					â		
18.	6	3104799					â		
19.	7	3104797					^	X	
20.	40	3104306	Gloucester City Water Dept.						x
21.	41	3104903	• • • • • • • • • • • • • • • • • • • •						â
22.	42	3105242			•				x
23.	43	3118822							x
24.	1 <b>A</b>	3105243	Haddon Township Water Dept.						x
<b>~ 25.</b>	2A	3129099	•						x
26.	3A	3128896							x
<i>∫</i> 27.	4	3104855							x
28.	Woodbine 1	3104642	Merchantville-Pennsauken Water					x	
29.	Woodbine 2	3114563						X	•
30.	Browning 1A	3102496					Х		•
31.	Browning 2A	3104836					X		
32.	Del Gard 2	3101417						X	
33.	Marion 1	3102915							X
34.	Marion 2	3104641				_			X
35.	50	3103456	New Jersey-American Water Co.		•	19	X		
36.	51	3104780	Camden System				X		
37.	52	3104847	January System			x	^		
38.	53	3118947				^	X		
39.	54	3118944					X		
40.	55	3120270					x		
								,	
Ref.	Nos. 3, 12-17		Total Population Served	0	0	7,941	55,474	13,714	60,518

Ref. Nos. 3, 12-17

			•	Population	No. of Wells	Population Served
	Well No.	Permit No.	Public Water Supplier	Served	in Service	by Each Well
1.	Morris 6	5100051	Camden City, Water Division	50,000	16	3,125
2.	Morris 8	3100944				
3.	Morris 11	3115745				
4.	Morris 12	3116814				
5.	Morris 13	3116813			•	
6.	Delair 1	5100053				
7.	Delair 2	5100054				
8.	Delair 3	5100055				
9.	Puchack 1	5100056				
10.	City 11	5100061				
11.	City 17	3101250				
12.	City 18	3109574				
13.	1	3100079	Collingswood Borough	21,000	7	3,000
14.	2	3104053				
15.	3	3104054				
16.	4	5100030				
17.	5	5100031			•	
18.	6	3104799				
19.	7	3104797				
20.	40	3104306	Gloucester City Water Dept.	13,250	4	3,312.5
21.	41	3104903				
22.	42	3105242				
23.	43	3118822				1
24.	1A	3105243	Haddon Township Water Dept.	12,000	4	3,000
25.	2A	3129099				
26.	3A	3128896				
27.	4	3104855				
28.	Woodbine 1	3104642	Merchantville-Pennsauken Water	50,000	14	3,571.43
29.	Woodbine 2	3114563				
30.	Browning 1A	3102496				
31.	_	3104836				•
32.		3101417				*
33.	Marion 1	3102915				
34.	Marion 2	3104641				
35.		3103456	New Jersey-American Water Co.	28,897	6	4,816.17
36.		3104780	Camden System			e met
37.		3104847				
38.		3118947				
39.		3118944				
40.	<b>55</b> _	3120270				

Ref. Nos. 3, 12-17

REFERENCE NO. 6



February 19, 1990

State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
CN 028
Trenton, N.J. 08625-0028

Attn: Hr. Thomas Sherman, Chief Bureau of Hazardous Waste Engineering

Re: Response to Dec. 21, 1989 Notice Of Deficiencies on Part B application for Remtech Environmental, EPA ID No. 980-536-577 Camden, N.J.

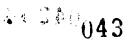
Dear Hr. Sherman:

Remtech Environmental has prepared the following submittal in response to the above referenced Notice Of Deficiencies (NOD). We have compiled our submittal in a format that will allow an organized review of the revisions without re-reviewing all of previous data submitted. In addition to a description of each responding revision in this cover letter, a reduced copy of the NOD's has been attached with annotated comments directly next to each deficiency describing which section of the Part B application has been revised. In most cases (in order to allow easy insertion into the Part B application) we have included a complete copy of the revised sections with the specific changes highlighted in the margin by either an asterisk (\*) or a verticle bar. The sections/drawings that include revisions have also been identified on the table of contents with an asterisk.

Accompanying this cover letter, we are submitting four pairs of binders, each pair containing a complete set of revisions. Remtech will provide additional sets within ten days of request.

Item 1) Upon closer review of the available data regarding the facility boundaries and the 100 year Flood Hazard Area boundaries, it has been determined that no part of the facility is located in the flood hazard area. A certification statement signed and sealed by a N.J. licensed Professional Engineer has been included in Section D-9.

Item 2) Three new Exhibits have been added to section E, <u>Waste Charateristics/Waste Analysis Plan</u>, to provide the information requested in this item.



- Exhibit J, Typical Off-site TSD Facilities for Containerized Storage Material: This exhibit lists 32 permitted TSD facilities that may receive either treatment by-products from the Camden facility and/or containerized waste materials that were stored by the facility.
- Exhibit K, Typical Waste Acceptance Characterization Parameters for Containerized Storage Material: This exhibit identifies the typical analytical parameters required for initial waste acceptance procedures and for QC procedures when the material arrives at the facility. These parameters will be used when reviewing containerized waste streams for acceptance at the facility. The acceptance criteria for containerized waste being placed into storage will coincide with the acceptance criteria of the final permitted TSDF.
- Item 3) The description of our chain of custody procedures (found in Section E exhibit E) has been expanded to include a revised Chain of Custody Form and sample seals, for off-site analysis. We do not anticipate any changes in the chain of custody procedure.
- Item 4) A complete copy of section J, <u>Personnel Training Program</u>, has been included with this submittal. Numerous improvements have been incorporated and have been noted by an asterisk in the margin and/or a revision date in the top right hand corner. Section J-5 has been completely revised to include a list of employee names and job titles.
- Item 5) A complete copy of section I, <u>Contingency Plan</u> has been included with this submittal. In addition to updating the primary and secondary emergency coordinator (Section I.3.1) we have revised the SPCC plan (Section I attach. A) and updated our Coordination Agreements (Section I Attach. B).
- Item 6) Base/Neutral & Acid Extractables has been added to the list of analytical paramèters to be used during closure confirmation, (Section K-2 Closure Plan). The Closure Plan has also been revised to include the new container storage area described throughout the submittal and on drawings 01-06 in Section F.
- Item 7) As discussed during our meeting on Jan. 18, 1990. Remtech is in the process of testing the tops and sides of all the storage tanks and will submit this data under separate cover by March 31, 1990. We propose testing the tank bases as each is emptied for routine maintenance with a schedule that assures the testing of all tanks by Dec. 31, 1990.

Item 7b & c) Additional cross sectional views have been included on drawings L1-L5 in Section F.

Item 7d) Details on the underground spill containment tanks are included on drawing L4 in Section F. It is important to note that these underground flow thru tanks will no longer be relied upon for primary spill containment when the new waste receiving area is completed. (Drawings A, B, Bi thru B6 in Section F)

The daily inspection procedures have been revised (Section G-2) to include visual inspection of the underground spill containment tanks. In the unlikely event that a visible accumulation of oil is present, the contents of the tank will be transfered to either the oil/water separator system or a storage tank (Drawing A in Section F) for treatment.

Item 7e) Additional information on concrete joint construction has been included via drawings L4, L5 and H in Section F. The concrete joints within the containment areas will be inspected on a quarterly basis (once per calendar quarter) to insure a satisfactory level of integrity. The first complete inspection will be finished by Harch 31, 1990. Should repairs and/or replacements be required, a repair/replacement program will be implemented with a completion date no later then Dec 31, 1990.

Item 8a,b,c & d) The requested static capacities for various piece of listed equipment have been included on the appropriate drawings (see attached annotated comments for drawing reference) and in the Equipment List in Section F-1.

The containers receiving discharged solids from the solid bowl centrifuges will be either open head 55 gal. drums or self-dumping, rolling hoppers (up to 1.5 cubic yards). These containers will be dumped into lined roll of containers for removal to a permitted disposal facility.

Item 8e) Remtech's prior Part B submittal in April 1989 identified an "Emulsion Breaking System" in Drawing E. This conceptual system was intended to provide the facility with the treatment capability of removing emulsified oils and other contaminents from our aqueous waste streams in order to improve the quality of our discharge. The name "Emulsion Breaking System" seemed appropriate at the time, however, as a result of our significant effort towards identifying the treatment steps necessary to improve the quality of our discharge, a more complex waste water treatment system has evolved.

Section F1, paragraph E and the revised drawing E in this submittal describes a temporary Waste Water Treatment (WWT) System now in place at the Camden facility.

This temporary WWT system is the result of our continuing efforts to upgrade the quality of our discharge to meet the parameters set by CCHUA. Remtech has been operating under a compliance scheduled with the CCMUA and is in the process of evaluating information gained from operating the temporary WWT system in order to design a permanent system that will allow us to comply with the CCMUA's discharge criteria.

We anticipate delivering a proposed design for a permanent WWT System by July 31, 1990.

Item 8f) The static capacities requested are included in section F1 and on drawing F. Solids removed via the vibrating screens and filter baskets will be collected in drums and then placed into storage ( new container storage area Drawing O) awaiting removal from the facility.

Item 8g) Drawing G in Section F has been revised to include the static capacity of the heat exchangers and to more clearly show that a second system may be constructed in the future.

Item 8h) All sources of sludge generation have been indentified on the Process Flow Schematic, Drawing H.

At the present time all treated water enters the plant sewer discharge from the <u>Ultra-Filtration unit</u>. The design of the permanent <u>WWT system</u> may include alternate discharge locations providing that the quality of the treated water meets the discharge parameters.

Item 9) In order to provide proper storage of containerized hazardous wastes, Remtech proposes the two phase construction of a Container Storage Area as described in Drawings 01 thru 06. The design of the Container Storage Area allows for the proper segregation and storage of incompatable wastes and includes secondary containment structures that will segregate spill residues. The design incorporates an overhanging canopy roof and mountable curbs to allow efficient management of storm water and precipitation. The design also provides sufficient areas protected by the roof and secondary containment system to allow organized container staging and the transfer of x-code material.

Sections A,B,D-2, E-1, E-2, exhibit J&K in section E, Drawings I, J, O1 thru O6 in section F, F-3, G-2, I, and section K-2 have been revised to include information regarding the proper management of containerized waste.

In conjunction with proposing the construction of a properly designed container storage area, this submittal requests the addition of several waste codes to our permit. The requested additions have been included in a revised Part A application included in Section B. It is important to note that the request is for Storage Only and will not involve treatment of any types of waste not already included in our interim status permit.

The addition of these waste codes for storage only will allow the facility to receive material from small quantity generators and then accumulate full truckload quantities of containerized waste for shipment to permitted TSD facilities. There would not be any co-mingling or consolidation of waste types other then those already included in the facility's permit.

Item 10) The location of three existing monitoring wells have been included on the Facility Plot Plan (Drawing I). A Ground Water Quality Investigation performed by Northeastern Analytical Corporation (NAC) has been included as Attachment 5 in section D.

Also included in Attachment 5 is a copy of a request for a computer search for wells installed within a quarter mile radius of the facility. This request was sent to The State of N.J. Bureau of Water Allocation, upon receiving this information we will forward a copy to your office.

Item 11) A chart showing the flow and the breakdown of by-products associated with four typical waste streams has been included on Drawing H.

Item 12 & 13) In order to minimize the extensive amount of application modifications and the associated regulatory review time associated with treatment of RCRA wastes, Remtech has chosen not to pursue the addition of RCRA Waste codes to our treatment capabilities at this time. We have revised the Part B Application to reflect this change. Remtech anticipates that by eliminating these waste codes, items 12 and 13 will no longer be applicable. Please advise should additional information be needed.

Item 14) An updated plant improvement and construction scheduled is included in section F-3.

The construction of the Waste Receiving System (Drawing A) and the Oil/Water Separator System (Drawing B) will significantly upgrade the secondary containment capabilities of the facility. This improvement project is scheduled for completion by Oct. 31, 1990.

As previously discussed, the temporary (pilot) WWT system is in place and operating this temporary system will continue to treat and improve the quality of our discharge while the design and construction of the permanent WWT system is underway.

In order to maintain the current permitting schedule, Remtech proposes the inclusion of the temporary WWT system into the Part B Permit with an "approval before use" condition placed on a future, permanent WWT system. This approach would allow us to continue to work with the CCHUA and our consulting engineers in designing an effective WWT system with minimal disruption to the permitting process.

On an unrelated topic, updated Air Pollution Control Permits and applications have been included with this submittal under section L.

We will be in contact with your office during the first week of Harch to determine if any additional information is needed. Should there be any questions or clarifications needed before then please do not hesitate to contact either myself or Jim Semple at (609) 365-5544.

With regards to additional copies, Remtech would like to suggest the collection of as many of the original twelve sets as possible. We would then update each volume individually and return a completely revised set to the point of collection. Remtech will make all of the arrangements for collection and return of the applications. By doing this a significant amount of confusion during the review and comment period can be avoided.

Very Truly Yours,

Paul L. Fleischmann

Vice President

Remtech Environmental Group

- Flunden

cc: Jim Semple, General Manager

PLF/dw



# State of 12cm Jersey DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS WASTE MANAGEMENT

Lance R. Miller, Acting Director CN 028 Trenton, N.J. 08825-0028 (609) 633-1408

Paul L. Fleischman, Vice-President Remtech Environmental (HJ) LP 1800 Carmen Street Canden, HJ DEC 2 1 1989

Dear Mr. Fleischmen:

RE: Notice of Deficiencies on Part B Permit Application. Remtech Environmental (NJ) LP (formerly Flowen Oil Delaware Valley), Camden, EPA ID NO. RID 980 536 577

The Bureau of Hazardous Waste Engineering (the "Bureau") acknowledges receipt of the revised Part B Permit Application, submitted by Restech Environmental (RJ) LP ("Restech"), dated April 28, 1989.

Please be advised that the Bureau has completed its final technical review of the application for the referenced facility and has found the application to be deficient. The following items must be sufficiently addressed in order to complete the application:

- 1. Remtech shall provide the Bureau with a Flood Hazard Certification Statement signed and sealed by a New Jersey Licensed Professional Engineer which certifies that no part of the facility property is located in a Flood Hazard Area as shown on the current effective Federal Insurance Administration flood map for the facility's municipality. If any portion of the facility lies within the flood plain, the certification shall state the measures taken by the facility to prevent flood waters from reaching the hazardous waste storage and treatment areas of the facility.
- 2. For all hazardous waste that will be manifested off-site to an authorized facility for further treatment or disposal. Remtech shall provide to the Bureau information regarding the data required by the authorized facility in order to treat or dispose of those wastes shipped. Please provide copies of actual waste analysis forms, waste profile sheets, or waste certification statements which are required by the accepting facilities.
- Please provide a copy of the hazardous wasta sample chain of custody form currently in use at your facility and indicate if any change in chain of custody procedures is anticipated.
- In light of recent changes of facility personnel, Remtech shall update the list of employee names and job titles for their personnel

No portion of facility in flood plain. Certification included in Section D-9.

Information included in Section E, Exhibits I and J.

Updated Copy included in Section E, Exhibit E. No changes anticipated.

Updated list and job titles in Section J-5.

New Jersey is an Equal Opportunity Employe

training program and provide a copy of the list for inclusion in the permit application.

- Remtech shall update the list of personnel currently serving as primary and secondary emergency coordinators at the facility.
- Remtach shall add Base Neutral Acid Extractables to the list of analytical parameters to be used at closure for confirmation sampling of tanks and containment areas.
- Please provide the following information on storage areas, treatment areas, and equipment:
  - (a) Current shell thickness data on all hazardous waste storage tanks;
  - (b) Gross-sectional views of secondary containment base and dike walls showing slopes and accurate dimensions;
  - (c) Gross-sectional views of sumps, catchments, and trench drains showing thickness and accurate dimensions;
  - (d) Details on underground tanks for spill containment system and associated inspection forms for daily record of tank levels and transfer of accumulated liquids to storage tanks;
  - (e) Additional information on concrete joint construction throughout the facility for prevention of sigration of contaminants to underlying soils.
- 8. Please provide the following information on storage and treatment systems:
  - (a) Waste Receiving Area
    - (i) Drawings of receiving tanks.
    - (ii) Secondary containment details for receiving tanks and truck off-loading area.
  - (b) Oil/Water Separator System
    - (i) Static capacity of filtration box.
    - (ii) Static capacity of oil/water separator.
  - (c) Ultrafiltration System
    - (1) Static capacity of ultra filtration module.
    - (ii) Static capacity of heat exchanger.
  - (d) Solid Bowl Centrifuge System
    - (i) Static capacities of solid bowl centrifuges.
    - (ii) Details on containers holding discharged solids.

(see prior page)

Updated list included in Section I-3. Parameter Group added in Section K-2.

Top and side tank testing is in progress; results will be furnished within 60 days, along with a schedule for testing tank bases as each tank is emptied during routine maintenance.

See dwgs. Ll to L5.

See dwgs. L4 Inspection forms updated in Section G-2.

See dwgs. L4, L5 and M.

See dwgs. Bl to B6.

See dwgs. A & B

See dwg. C

See dwg. D

\$30 to 100 .

### (a) Emulsion Breaking System

- (i) Static capacities of emulsion breaking system mix tanks.
- (ii) As-built designs of the system must be submitted.
- (iii) Details on discharge to "drains" as noted in Drawing E.
- (f) Filtration/High Speed Centrifuge System
  - (i) Static capacities of centrifuges.
  - (ii) Static capacities of vibrating filters.
  - (iii) Static capacities of heat exchangers and water clarifiers.
  - (iv) Static capacity of collector box.
  - (v) Details on filter sludge generation and storage.
- (g) Process Heating System
  - (i) Static capacity of heat exchangers.
  - (ii) Indicate whether Drawing G shows that am additional system is to be constructed.
- (h) Process Flow Schematic
  - (i) Indicate whether additional sources, other than the solid bowl centrifuge and high speed centrifuge, will generate sludge for containerization.
  - (ii) Indicate whether treated water enters the plant sewer discharge from sources other than the ultrafiltration gystem and provide details.
- 9. Please provide information on proposed storage of containerized hazardous waste prior to treatment; including types of wastes and containers accepted for storage, storage location, especity, secondary containment, methods for introduction of waste into treatment system, cleaning of empty druns, and general management practices. Also, provide information on sludge storage areas, containers, and secondary containment.
- 10. Indicate locations of existing or future monitoring wells on the plot plan as well as those within one-quarter mile of the facility.
- 11. Provide waste analysis data on a "typical" incoming shipment of waste and trace the load through treatment units providing material balance data for each system as well as a breakdown of the final "product" and wastes generated.
- 12. Remtech shall provide a detailed standard operating procedure and decontamination procedure for storage and treatment process change over from RCRA listed waste storage or treatment to NJ X-waste storage or treatment and from waste storage to product storage. These plans should describe the decontamination procedures for all tanks, piping, and equipment to eliminate the possibility of cross-contamination both waste to waste and waste to product.

Updated information on temporary system included on Drawing E and in Section F-1 paragraph E.

See drawing F.

See drawing G. The added system is future, which is now indicated on the drawing

All sources shown on drawing H.

See drawing H.

See drawings 01 to 06,

Text discussion added throughout application

See drawing I for onsite wells for offsite wells request to NJDEP made, see attached. Map will be updated after receipt of info from NJDEP.

See drawing H; comprehensive waste flow balance provided; includes key monitoring points.

Deleted; Remtech has decided not to pursue RCRA waste code receipt for any wastes requiring such decontamination procedures and/or isolation of waste products.

ISC 2300 .

 Reatech shall address how potential land-banned sludges and waste waters will be handled both on- and off-site.

14. Remtech shall provide an update on plant improvements and construction schedules including information on containment area upgrades and pilot plant projects.

Restech's liability insurance information, financial assurance, and closure cost estimate remain under review by the Buresu. You will be notified at a later time as to whether additional information is needed to complete this review.

Within thirty (30) days from the data of this Notice of Deficiencies, Remtech shall submit its response to the aforesentioned deficient items. Failure to furnish a complete and adequate response may result in referral of this matter to the Bureau of Southern Enforcement.

In addition, please take note that this Notice of Deficiencies is the final action of the Buresu prior to preparation of a draft permit for your facility. Therefore, once the response to the noted deficiencies is received and approved by the Buresu, no further modifications or additions to your facility will be considered prior to permit issuance.

The Bureau has taken the opportunity of scheduling a meeting for January 18, 1990, 10:00 a.m., at the Bureau offices to discuss any concerns you might have about this Notice of Deficiencies or the permitting process for your facility. If this date and time is not convenient, please contact the Bureau to reschedule the conference.

If there are any questions on this matter, please contact Scot J. Frow of my staff at (609) 292-9880.

Very truly yours,

Themas .

Thomas Sherman, Chief Bureau of Hazardous Waste Engineering

EP48/slw

c: Tom Downey, BSE Barry Tornick, USEPA

DOCUMENT: REMTEC11 FOLDER: SLUMCB Same as response to Item 12.

Updated information included in Section F-3.

052



Northeastern Analytical Corp.

LILLEY & ASSOCIATES, INC. Flowen Oil Site Camden, New Jersey

GROUND WATER QUALITY INVESTIGATION PROJECT NO. NAC6939

Prepared for:

Lilley & Associates, Inc. 8502 Winands Road Pikesville, Maryland

October 21, 1988



Lilley & Associates, Inc. Project No. NAC6939 October 21, 1988 Page 2 of 5

File No. 8A\TEST\NAC6939

### TABLE OF CONTENTS

I.	Intr	oduction				. 3
II.		toring Well Location/Installa				
III.		nd water Quality Assessment				. 5
.*	Atta	chments	. ,	,		
	•	Test Report No. NAC6977	* * .			
	•	Well Drilling Logs				
	•	Plan of Monitoring Wells Valley, Inc.	for	Flowen	oil	Delaware



Lilley & Associates, Inc. Project No. NAC6939 October 21, 1988 Page 3 of 5

#### I. INTRODUCTION

Northeastern Analytical Corporation (NAC) in association with James C. Anderson Associates, Inc., conducted a ground water quality investigation at the site known as Flowen Oil Delaware Valley, Inc., located at 1800 Carmen Street in Camden, New Jersey. The purpose of this investigation was to assess ground water quality for property administration as directed by Lilley & Associates, Inc.

N E ANALYTICAL --- TTI INC

The investigation included installation of monitoring wells for the sampling and analysis of ground water for indicator contaminants representative of materials used or stored at the site. Also included was a determination of the gradient and direction of the horizontal component ground water flow on site.



Lilley & Associates, Inc. Project No. NAC6939 October 21, 1988 Page 4 of 5

# II. MONITORING WELL LOCATION/INSTALLATION

Three (3) ground water monitoring wells were installed between June 17, 1988, and June 21, 1988 at the site. Monitoring well locations were chosen by a hydrogeologist with respect to determining direction of ground water flow at the site. Monitoring well location and identification as well as approximate direction of flow are shown on the attached plan of monitoring wells.

All monitoring wells were constructed in accordance with New Jersey Department of Environmental Protection (NJDEP) standard specification for wells in unconsolidated materials. This construction consists of a four (4) inch diameter schedule 40 PVC flush joint casing and screen. Screens installed were 0.010 inch slot, fifteen (15) feet in length and situated so as to extend 3-5 feet above and 10-12 (MW #2 and MW #3) following installation were secured with locking steel covers extending approximately two (2) feet above grade. A third (MW #1) located in a parking area was fitted with flush mount protection.

Split spoon sampling of soils was conducted for each well boring at 2-5 feet in depth intervals for soil classification purposes. Each split spoon sample was also screened with a field photoionization detector (PID) for volatile soil contaminants. All soils information is listed in the attached well drilling logs. No positive readings were detected by the field PID analysis of each spilt spoon soil sample.

The location and elevation of each monitoring well was surveyed following installation in order to determine gradient and direction of ground water flow.

A two (2) inch PVC water line was encountered and damaged by boring at the original location for MW #2. This happened in spite of assistance from Flowen Oil personnel using a scaled site plan, which showed the approximate position of underground utilities, in choosing well locations.

The water line was shut down, excavated and repaired by NAC and TankTest, Inc., personnel. The location for MW #2 was then moved approximately 25 feet towards Carmen Street where it was installed with no further delay.



Lilley & Associates, Inc. Project No. NAC6939 October 21, 1988 Page 5 of 5

# III. GROUND WATER QUALITY ASSESSMENT

On July 6, 1988, NAC personnel conducted the initial sampling of monitoring wells installed at the Flowen Oil site. The analytical results of this sampling effort are presented in the attached Test Report No. NAC6977.

Even though the monitoring wells at Flowen Oil are not potable wells, it is appropriate still for the purpose of this investigation to compare ground water quality at the site to maximum contaminant levels established in the National Safe Drinking Water Act (SDWA).

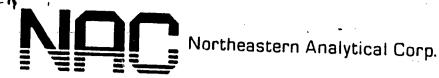
The initial analytical results indicate that most contaminant concentrations were either below methodetection levels or well below SDWA maximum contaminations.

Arsenic levels in MW#1 (0.017 ppm) and MW#2 (0.023 ppm) did exceed the maximum level of 0.05 ppm observed under SDWA for potable water. Also in exceedance were levels of total dissolved solids in each well ranging from 680 ppm to 1,400 ppm as compared to the maximum contaminant level of 500 ppm established in the SDWA.

The monitoring wells at Flowen Oil exhibited high levels of turbidity when sampled on July 6, 1988. This condition is typical of recently developed wells. As a result, the level of turbidity and solids in the samples collected may be responsible for the elevated levels of arsenic and total dissolved solids. Arsenic is found to exist in varying levels in native soils throughout the southern New Jersey area and to the best of our knowledge is not a typical component of any material handled at the Flowen Oil site.

The results of the limited ground water investigation conducted by NAC therefore appear to indicate that the operations of Flowen Oil Delaware Valley, Inc., have had no significant environmental impact on the ground water at the site. A more definitive assessment could be conducted at the site through more comprehensive testing if deem necessary in the future.

118



ANALYTICAL REPORT

for

LILLEY & ASSOCIATES 8502 Winands Road Pikesville, Maryland

PROJECT:

Flowen Oil

TEST REPORT NO. NAC6977

Client <u>Designation</u>	NAC Designation	Date <u>Received</u>	<u>Matrix</u>	Sampled by
MW #1	NAC6977-1	7-6-88	Aqueous	NAC
MW #2	NAC6977-2	7-6-88	Aqueous	NAC
MW #3	NAC6977-3	7-6-88	Aqueous	NAC
Trip Blank	NAC6977-4	7-6-88	Aqueous	NAC

Laboratory Name:	Northeastern Analytical Corp.
Certification No:	03117
	THER
Name:	John M. Rissel
Title:	Laboratory Manager
Date:	August 3, 1988



Lilley & Associates Test Report No. NAC6977 August 3, 1988 Page 2 of 16

### TABLE OF CONTENTS

		Page No.
ı.	Sampling Information	3
II.	Chain of Custody Documentation	4
III.	Methodology	6
IV.	Laboratory Chronicle	8
v.	Non-Compliance/QA Report	8
vI.	Analytical Results	9
VTT.	Ouality Assurance Data	16

£ 1, ....

Jay 0**5**9

5.7 D.3 -



Lilley & Associates Test Report No. NAC6977 August 3, 1988 Page 4 of 16

### II. CHAIN OF CUSTODY DOCUMENTATION

PROJ.	NO.	PROJEC	TN	AME	1 -						co	NTA	IŅE	ER TYPE
697	7	LILLRY / HOWAN OIL								(4)	7	.7	704	<del>17</del>
6977 LILLRY FLOWER OIL  SAMPLERS:  Piel Schweidgiait / PRTA GLUSZAK						OF			x*/\	37.				
Pri	LS0	مهمان	109	14.	-1 Parac	SLUSZEK	CON-		/ N	/ L	'/ <b>.</b> '	<b>'</b> / 0	Χż	REMARKS
	DATE		SOIL	AQ.		LOCATION	TAINERS	K		14/2			<i>\$</i> /	/
-1	7/6	1360		N	MW#1		9	2	2	1		3		
-2	7/6	1450		X	MW#Z		9	2	2	1	1	3		
-3	7/6			X	MW#3		9	2	2	1	1	3		
-4		1130		X	TRIPBLA	ente	2					2		
		1, 50		7										
														•
				$\vdash$									3	
					,									
	<u> </u>													
				Щ			~1	Ball	l	bed I		Signal	turel	Date/Time Received by: (Signature)
Relinquished by: (Signature) Date/Time Received by: (Signature)  Zul Scheelert 7-7-88 0845 Received by: (Signature)				A.	Nem	nquis		<b>-</b>						
Relinquished by: (Signature)  Date/Time Received by: (Signature)		ng)	Rell	elupn	hed	by: /5	Ngna	ture)	Date/Time Received by: (Signature)					
Relinquis	hed by:	(Signatu	ire)		Date/Time	Received for Laborate (Signature)	ory by:		D	ate/T	îme	R	emai	arks
L		-						<b>-</b> \(\sigma\)				- 1		

Lilley & Associates Test Report No. NAC6977 August 3, 1988 Page 6 of 16

# III. METHODOLOGY SUMMARY

#### **Purgeables**

U.S.E.P.A. Method 624 - This is a purge and trap Gas Chromatograph/Mass Spectrometer (GC/MS) method applicable to the determination of the compounds listed in the U.S.E.P.A. Manual entitled "Methods of Organic Chemica Analysis of Municipal and Industrial Wastewater".

An HP5996 GC/MS was used with a packed column of SP100 carbopack B.

Method detection limits are as stated.

Soil samples are prepared for analysis as prescribed in Method 8240 from SW846.

# Petroleum Hydrocarbons by IR (Aqueous)

This sample is extracted with freon and an Infrare Spectrophotometer (IR) method is used to determin petroleum hydrocarbon in aqueous matrices. The non petroleum hydrocarbons are removed with silica gel and the extract is analyzed by IR against a series of standar mixtures. Reference Method is EPA Method 418.1.

# Total Organic Carbon (Aqueous)

Organic carbon in a sample is converted to carbon dioxid  $(CO_2)$  by wet chemical oxidation using sodium persulfate an high temperature. The  $CO_2$  formed can be measured directly an infrared detector. The amount of  $CO_2$  is directly proportional to the concentration of carbonaceous materia in the sample.

Reference Methods are Standard Methods for the Examinatio of Water and Wastewater, 16th Edition, Method 302B and EP Method 415.1.



Lilley & Associates Test Report No. NAC6977 August 3, 1988 Page 7 of 16

#### III. METHODOLOGY SUMMARY (Continued)

#### Metals (Aqueous)

An aliquot of the sample is refluxed with nitric acid and hydrochloric acid/hydrogen peroxide until digestion is complete. The digested sample is filtered, made up to volume and analyzed via Flame/Furnace Atomic Absorption Spectrophotometry.

Reference Methods are Standard Methods for the Examination of Water and Wastewater, 16th Edition, Method 302D and IFB 1985 Statement of Work for Inorganics.

#### Hq

This is a potentiometric analysis used to determine the pH of aqueous samples. The method employs a pH/mV meter and a Ross combination pH electrode. The pH meter is calibrated using two buffers bracketing the expected sample pH y. The electrode is immersed in a suitable aliquot of same, and while stirring, the pH is measured and recorded. Reference method is Standard Methods for the Examination of Water and Wastewater, 16th Edition, Method 429.

#### Total Dissolved Solids

A well-mixed sample is filtered through a standard glass fiber filter. The filtrate is evaporated and dried to constant weight at 180 °C. Reference Method EPA Method 160.1.



Lilley & Associates Test Report No. NAC6977 August 3, 1988 Page 8 of 16

## IV. LABORATORY CHRONICLE

A. Date of Sampling: 7-6-88

Not Applicable

B. <u>Date of Receipt/Refrigeration:</u> 7-6-88

C. <u>Date of Analysis:</u>

<u>Parameter</u>	Date Extracted	Date Analyzed
Volatile Organics	NA	7-8-88
Petroleum Hydrocarbons	7-7-88	7-7-88
Total Organic Carbon	NA .	7-6-88
Metals	NA NA	7-21 thru 8-1-88
рН	NA	7-6-88
Total Dissolved Solids	NA	7-7-88

#### V. NON-COMPLIANCE/OA REPORT

None

Supervisor Review and Approval:

Lilley & Associates
Test Report No. NAC6977
August 3, 1988
Page 9 of 16

## VI. ANALYTICAL RESULTS

# Volatile Organics

# Sample Designation

<u>Parameter</u>	NAC6977-1 MW #1	Detection Limit
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl Chloride	ND	10
Chloroethane	ND	10
Methylene Chloride	3B,J	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloroethane	ИD	5.0
trans-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	10
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ИD	5.0
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	ND	5.0 · ·
trans-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Dibromochloromethane	ИD	5.0
1,1,2-Trichloroethane	ND	5.0
Benzene	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
2-Chloroethylvinyl Ether	ND Seems	10
Bromoform	ND	5.0
Tetrachloroethene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
Total Xylenes	ND	5.0
Total Dichlorobenzenes	ND	5.0
Acrolein	ND	50
Acrylonitrile	ND	50
Units	(ug/1)	(ug/l)

ND: `Not Detected

guentitation.

B: Methylene Chloride detected in method blank a ug/l.

# ORGANICS AWALYSIS DATA SHEET (Page 4)

# Tentatively Identified Compounds

C.A.S. Number	Compound Name	i I Fraction	l Number	Estimated Concentration
	I_unknoun	IV0A	126.67	<u>(ug/ L)</u> r ug/kg  16
		<u> </u>	i	
•				 
·		!		
			<u> </u>	l
·			'	' <del></del>
•				
•			!	
·	ŧ		' <del></del>	<del></del>
· ———	1			
			·	
) •		!	<u> </u>	
·		'	<u>'</u>	! <del></del>
•			1	<u> </u>
·			1	
			!	!
• •	i e	''	<u>'</u>	·
•			l	·
•			!	!
٠		<u> </u>	!	<u> </u>
•	. •		!	' <del></del>
•		'	1	1
•		!	! <del></del>	

Lilley & Associates Test Report No. NAC6977 August 3, 1988 Page 11 of 16

# VI. ANALYTICAL RESULTS (Continued)

# Volatile Organics (Continued)

# Sample Designation

Parameter	NAC6977-2 MW #2	Detection Limit
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl Chloride	ND	10
Chloroethane	ND	10
Methylene Chloride	3B,J	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	10
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	5.0
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	ND	5.0
trans-1,3 Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ИD	5.0
Benzene	ND	5.0
cis-1,3-Dichloropropene	ND	5.0
2-Chloroethylvinyl Ether	ND	10
Bromoform	ND	5.0
Tetrachloroethene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
Total Xylenes	ND	5.0
Total Dichlorobenzenes	ND	5.0
Acrolein	ND	. 50
Acrylonitrile	ND	50
Units	(ug/l)	(ug/l)

ND: 'Not Detected

J: Detected, but below the limit of reliable quantitation.

<sup>8:</sup> Methylene Chloride detected in method blank a 5. ug/l.

# DAGANICS ANALYSIS DATA SHEET (Page 4)

# Tentatively Identified Compounds

C.A.S. Number	Compound Hame	i Fraction	l RT ar Scan   Number	Concentration
ļ. ———	No Unknowns	I VOG	' <del></del>	Llug/ L)r ug/kg
2		-		
		1		: <del> </del>
				·
		1		
		.		· ·
				(
		.1		
		.'		
•		.		1
•		.		1
•		·!		
•		!		1
		-!		!
		.!		1
•		.'		
•		·!!		1
•		·'		1
•		!!		1
Agrico .		'		
·!		' <u>-</u>		gradija i kao s
·!		·`		!
'! '!		`'		<u></u>
!.		·'		<u>'</u>
·		` '		
· · · · · · · · · · · · · · · · · · ·		·		
				' <del></del>
		·		·



Lilley & Associates Test Report No. NAC6977 August 3, 1988 Page 13 of 16

# VI. ANALYTICAL RESULTS (Continued)

# Volatile Organics (Continued)

## Sample Designation

Parameter	NAC6977-3 MW #3	Detection Limit
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl Chloride	ND	10
Chloroethane	ND	10
Methylene Chloride	3B,J	5.0
1,1-Dichloroethene	<b>3</b> J	5.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ИД	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ИD	10
1,1,1-Trichloroethane	ИD	5.0
Carbon Tetrachloride	ND	5.0
Bromodichloromethane	ND	5.0
1,2-Dichloropropane	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ИD	5.0
Benzene	ИD	5.0
cis-1,3-Dichloropropene	ND	5.0
2-Chloroethylvinyl Ether	ND	10
Bromoform	ND	.5.0
Tetrachloroethene	ND	5.0
1,1,2,2-Tetrachloroethane	ИD	5.0
Toluene	ND'	5.0
Chlorobenzene	ИD	5.0
Ethylbenzene	ИD	5.0
Total Xylenes	. ND	5.0
Total Dichlorobenzenes	ND	5.0
Acrolein	ND	50
Acrylonitrile	ND	50
Units	(ug/l)	(ug/1)

ND: Not Detected

I: Detected, but below the limit of reliable quantitation.

<sup>8:</sup> Methylene Chloride detected in method blank 8 5 ug/t.

# ORGANICS ANALYSIS DATA SHEET (Page 4)

# Tentatively Identified Compounds

C.A.S. !	Compound Name	i I Fraction I		Concentration
1	No Unknowns	i_Wi	į.	iclugy ison ugykg
3		!		1
41		i		<u> </u>
<u>}·!</u>				' <del></del>
ž'		!		
8				
71				! !
1.				i
2				1
31			<u> </u>	!
4				<u> </u>
**				' !
/ • I		!		
· · '.		<u> </u>		!
				<u>'</u>
1.	in a state of the			i
<u> </u>		<u> </u>		1 · · · · ·
J		'		!
70	·			1
·		!		
/·		!		!
··		'		<u>'</u>
7! 0!			· <del></del>	' <del></del>



Lilley & Associates Test Report No. NAC6977 August 3, 1988 Page 15 of 16

# VI. ANALYTICAL RESULTS (Continued)

# Miscellaneous Parameters

# Sample Designation

<u>Parameter</u>	NAC6977-1 MW #1	NAC6977-2 MW #2	NAC6977-3 MW #3
Petroleum Hydrocarbons			
by IR, mg/l	<1	<1	<1
Total Organic Carbon, mg/l	33	11	13
Arsenic, dissolved, mg/l	0.017	0.023	<0.01
Cadmium, dissolved, mg/l	<0.005	<0.005	<0.005
Chromium, dissolved, mg/l	<0.05	<0.05	<0.05
Copper, dissolved, mg/l	<0.05	<0.05	<0.05
Lead, dissolved, mg/l	<0.005	<0.005	<0.005
Mercury, dissolved, mg/l	<0.0005	<0.0005	<0.0005
Selenium, dissolved, mg/l	<0.005	<0.005	<0.0
Zinc, dissolved, mg/l	<0.05	<0.05	0,
pH, units	6.9	6.7	<b>d</b> •
Total Dissolved Solids,			<del>-</del> <del>-</del>
mg/l	1,400	680	740



Lilley & Associates Test Report No. NAC6977 August 3, 1988 Page 16 of 16

# VII. QUALITY ASSURANCE DATA

# Volatile Organic Surrogate Recoveries

# **\*** Recovery

Sample Designation	Toluene-D8	Bromofluoro- Benzene	1,2 Dichloro- ethane-D4
NAC6977-1	94	111	98
NAC6977-2	97	113	89
NAC6977-3	. 95	113	99
Control Limits	(88-110)	(88-115)	(78-114)

# Matrix Spike and Matrix Spike Duplicate Recoveries

<u>Parameter</u>	Sample <u>Designation</u>	Amount of Spike, ug	Initial % Recovery	Duplicate Recovery	RPD
PHC	Control	4,100	- 54	₩ ===	
TOC	6968-27	20	96	99	3.0
Arsenic	6971-2	0.50	97	94	3.1
Cadmium	6971-2	0.12	147	160	8.5
Chromium	6967-1	25	88	88	0
Copper	6971-1	25	93	91	2.2
Lead	6971-2	0.50	119	118	0.84
Mercury	6958-1	0.50	106	107	0.94
Selenium	6971-2	0.25		94	6.2
Zinc	6967-1	7.5		99	0
TDS	6978-3	Duplicate	100		



# JAMES C. ANDERSON ASSOCIATES INC. DRILLING CONTRACTOR

907	r Pleasant V	alley /	Avenu	e		Mount	Lac	urel, New Jerse	sy 08054	(609) 722-6700
PROJECT:	FLOWE					NC.				Sheet 2 of 2
CLIENT:	NAC									Job No. MUE 2006
G	ROUNDWATE	R			(	DRILLI	NG	METHOD	DEPTH	1. D. No. Mw/
Date	Time	Dep	th			<i>~</i>	H.	154	0'10 40	Date Started 6-17-8.
6-17-88	10:00	23_	′		Æ	1×24	n	SPOOL	to	Date Finished 6・コン・宮
									to	Driller T TESCER
WELL CON	STRUCTION	ROD AW_V			-	STATE	PE	RMIT NO.	SPOON SIZE 2" 3"	Elevation Inspector PFP
		£ _		SA	MP	LE				mspeciol PF P
FLUSTI COUNTY	GULE	O Depth Feet	No.	Oepii Typ	-	Blows Per 6"	N.	CLASS	FICATION	REMARKS
7	<del></del>		. 1	6-7	- -			LT. BLW - DM SAND	CRW CLAY	
4" PVC	Bergonere/	<del>-</del>	<u>a</u>	2-4	- -	ļ			F. sand - Gravel	
CASI-36- SCH 40	CEMT.	-5	3	4-6	- -		_	BRECK - A	F. SAND - GRAVEL	
	- سنها		4		+	<del> </del>		FILL MAT	FARAL'	
•	- i <i>è</i>	10	4	8-1				BARCH - F	· SAND · GLAVER	
BENGUME	HWLLMS	-								
F		- 15	5	13-15	-			GREY SALO -	ACH HUMEL MATTER GREY-BLACK CLAY	1
		<del> </del>  -	6	15-1	<u> </u>		_		EN CLAY	DAMP
	= <del></del>	<del> </del>	7	17-1	9		_		) TR. HEMOTETE	DAMP
2.10 SLUT	Astre	+20 	8	19-3	<u>/                                     </u>			1	F. FREL SAND	CHAG
SCHEDI SCH 4)	V	Ŧ	9	د٠١٤	3		-	1 TR GR.	GREY FAILD	DAMP
		25	10	23-2	5		-	C. SAIJD, 0	FIN SAID  CRAVEL - RUT BLIX  THE SANDY	WET
		<del> </del>	<u>'''</u>	26.7	2		-	CLAY TR	LT. HEN YELLOW YR. C. STIU) SREIN-WHITE	WET
		70	12	27 J	7			F. EALLO TO	SREEN WHITE CLASSITY CLAS FREEN TO M	WET (
	<u> </u>	<del> </del> 30 	13	ر 	<u>'</u>	ļ	_	Silty SAI	JOH - CLAY	WF-
υ73	$\rightarrow$	<del> </del> <del> </del>	14	3/- 3	3	-		1	T. SAND L WHERE SAIN	WIT
		<u>t</u>	<u> </u>		١.			1		1

- I.D. NUMBER			Whesapp wm 1						•	Sheet a of a
WELL		Depth	No.	SAMPLE Uepth/ Type		Blows N.		CLASSIFICATION	REMARKS	
		ع کو			39-35		per 6		GREEN - WHETE F SAND	WET
					38-40				WHERE - YEUOU F-M SAND	WET
		40 ·				_			E.O.B.	
		. •	‡		. '				·	
								-		
7			<u>.</u>							
ŀ ĺ										
			-							
			<u> </u>		ŀ				·	•
			‡							
			<u> </u>							
			ł					İ		
			ļ ·							
, ,	.e.*		I				"		war w .	e e e e
			‡							
			‡						:	
	,		<u> </u>							·
•			+				:			
			Ŧ							·
			‡							
			‡						33	
T I			‡							074
			1				,			A Line
			Ţ						125	



# JAMES C. ANDERSON ASSOCIATES INC. DRILLING CONTRACTO

907 Pleasant Valley Avenue Mount Laurel, New Jersey 08054										(609) 722-6 (00
PROJECT: FLOWER OIL						INC.		Sheet / of 3		
CLIENT:	14				<u>u.cc.</u>	-	<del></del>			
G				(	DRILLI	NG	METHOD	DEPTH	1.D. No. MW3	
Date	Dep	oth			2" /		***************************************	0'10 35'	Date Started 6-17-	
6-17-88	6-17-88 2:00 g				_ 2" ×24" SAUU)				to	
								37001	to	Date Finished 6-23-5
WELL CON	STRUCTION	ROD SIZE				STATE	. PE	RMIT NO.	SPOON SIZE	Driller J. JESTER Elevation
		AW_N_							2"3"	Inspector PFR
1210		Depth Feet	S		MPI	LΕ			·	,,,,,
J 9,	GRADE	وي	No.	Depth Typ		Blows Per 6"	N.	CLASSIFICATION		REMARKS
\rangle   \ran	17.2272.22		1	6-9				LT. ERW	SELTY 1410	
4" PVC		-	ລ	2-4	$\prod$			LT. BRW - G BRTCK +	FELL MATGATAL	
SCH 40		-5 -	3	4-6	$\coprod$		_	FELL MAI	-GRE : SJ. 11	-
	-	-								
		-10	4	8-/0				BLACH HU + GREY F	MTL MATERIAL  SAND	
BEOLOGIUS ?										
		15	5	13-15	1	<u> </u>		TR GROL	MATTER (PEAT-LILE) SANDY CLOY	DAMP
		†	<u>د</u>	15-1	<u>Щ</u>		_	4umic.	MATTER (A-1- Like)	DAMP
	<u> </u>	+	7	121	9		<u> </u>	HUNEC M	ATTEL PEAT-LIKE	DAMP
4" PVL	JEICEE -	20	8	19-5	<u>'  </u>			GREEKS F-	m sand ic matter	DAMP
2.0.(~)		25	9	٠٤-ي					CLAY	WET
		‡	.10	25-2	<u> </u>		_	GREY -LT CLAYEY		WET
		‡	//	27-3	<u> </u>			GRETIN- (	SANÙ	WET
		+30 +	/2	29-3	<u>  </u>		_	GREAN-	SREY F-N	WET
075	₹ <b>/</b>	‡	/3	31-3	3		_	GREEN	GREN FIM	NET
1,3	<i>"</i> 】	+			1					

	-I.D. NUMBER					· · · · · · · · · · · · · · · · · · ·				
		MAKE 006					M	w-9	Sheet a of a	
	WELL	Depth	No.	Depth/ Type	,	Dlows N.		CLASSIFICATION	REMARKS	
,								GREY-LT. DRN F		
-	35		19	33-25	1		-	CLAYEY SAND	WET	
								EOB,		
		<u> </u>								
		-						·		
		ļ							·	
	<i>y</i> -	<del> </del>								
		‡								
	·	†							· F	
		‡	:				.			
		†						}		
		-							·	
		<u> </u>								
		I							••• • • • • • • • • • • • • • • • • •	
		1								
		†								
		1								
		‡								
		‡	· .							
•	<b>;                                    </b>	‡								
×	ĺ	+							076	
		+							a district of the second of th	
	ı	I	Ī	ł	1	I	ı	רעה	l	



# JAMES C. ANDERSON ASSOCIATES INC. DRILLING CONTRACTO

907 Pleasant Valley Avenue Mount Laurel, New Jersey 08054 (609) 722-6700 **PROJECT:** FLOWEN OIL INC. Sheet 1 of 2 CLIENT: NAC JOB NO. MNEZOOL GROUNDWATER DRILLING METHOD DEPTH . 1.D. No. MW 3 0' 10 4/5' Date Time Depth 12" HSA Date Started 6-20. 30' to 6-20-88 100 2"x24" SMON Date Finished 6-21to Driller J. TESTER ROD SIZE STATE PERMIT NO. SPOON SIZE Elevation WELL CONSTRUCTION AW\_\_\_\_ N\_\_ 2"\_\_\_\_\_3"\_ Inspector PFR SAMPLE Depth Feet **CLASSIFICATION** Blows REMARKS Depth / No. Type Par 6 0 LT RRN - PRN د-0 F. M. SAND 2-4 NO RECOVERY ユ LT. BRN F SAND 411 REcoupe 3 4-6 GLASS A FILL SCH 40 4" PVC -GREEN CZLTY B-/U DAMP F.-M.-C. SAND Berlowite/ -10 TELLE MORES GREEN E. . SAND JUNZ CX 13-15 SAMP 5 +15 DAMP 15-17 6856:0 F. SAIUD 17-18 SAND GREEN F. DAMP 20 18-21 GREEN F. SAIND SANG TISTER RELETS RUCT - 27 20-3 9. 25-25 GREEKS F. SAND WET 125 דינוצ מוס WHETE - QUIT BON 125-27 10 SCREEN DAMP TR GREEN CLAY ~/" SCH 40 WHITE - LT. BON - YOUL 37-JY F. SAND - GRETIN CLAY DIMI +30 /9 29-31 GREEN F.M. SAND WET 13 31-33 GREEN FIM-L SAWD WET

#### SECTION P

# PROCESS PLOW DESCRIPTION

# 1. General Description of Treatment Capabilities

The Treatment Processes at the Facility are designed by means of physical and chemical processes to separate oil containing waste streams into their component parts. These materials, primarily oil, sludge (sediment) and water are then disposed of by various appropriate approved methods to be discussed further in this submittal.

The processes used at the Facility are able to separate liquid waste streams as described by the New Jersey Waste Codes X721 through X728, X900, and D001 (limited to high flash material).

	Hazardous te Number	<u>Hazardous Waste</u>
1.	X721	Waste automotive crankcase and lubricating oils from automotive service and gasoline stations, truck terminals, and garages:
2.	X722	Waste oil and bottom sludge generated from tank cleanouts from residential/commercial fuel oil tanks.
3.	X723	Waste oil and bottom sludge generated by gasoline stations when gasoline and oil tanks are tested, cleaned or replaced.
154 · <b>4 ·</b>	X724	Waste petroleum oil generated when tank trucks or other vehicles or mobile vessels are cleaned, including, but not limited to, oily ballast water from product transport units of boats, barges, ships or other vessels.
5.	X725	Oil spill cleanup residue which: A. is contaminated beyond saturation; or B. the generator fails to demonstrate that the spill material was not one of the listed hazardous waste oils.
6.	<b>X726</b> .	The following used and unused waste oils: metal working oils; turbine lubricating oils; diesel lubricating oils; and quenching oils.

ſ	1. D.	NUMBER	R A	\NEZ	<i>∞</i> 6				nw	3 :	Sheet a of a
	WELL			Depth	No	SAMPL Depth/	,	Dlows per 6"	N.	CLASSIFICATION	REMARK:
			JS -		14	31-25	$\Box$		_	GREEN - GREY F. M. C SAND	WET
			40 -	-	15	38-44				LT. BRN - VELLOW GREY F.M SAND	WET
				•						LT BRN - WHETE -	Crant Anana
	·		45	†   	16	43.45				EOB	WET
										·	
	<u> </u>			†    -							6
		•									
				+		,				S	
				† † †		,					·
				+							
				† †							
				+							020
				†						120	078

- 7. X727 Waste oil from the draining; cleaning or disposal of electric transformers.
- 8. X728 Bottom sludge generated from the processing, blending, and treatment of waste oil processing facilities.
- 9. X900 Non-Hazardous liquid industrial wastes which are disposed of at a hazardous waste facility.
- 10. D001 Waste oil bearing liquids having a flash point less than 140 F, but greater than 100 F and not included in 1-12 above.

The facility is able to treat wastes which are essentially aqueous in nature. In some cases these wastes may be correctly categorized in the X721 to X728 categories. However, some oily aqueous wastes or other treatable industrial wastes fall into the X-900 category. Available disposal outlets include only POTW's or hazardous waste treatment facilities; many customers choose permitted TSD's when a POTW will not accept the waste or when they desire the record keeping and tracking that a hazardous waste facility provides.

The facility is also designed to safely handle and process materials with flash points greater than 100 F. For example, with prior NJDEP approval, the facility has the authority to handle waste Isoparaffinic washing solvents (was approved by NJDEP for receipt from Phillip A. Hunt Chemical Corp. - Waste Kerosene).

These and other similar types of wastes are not, by definition, characterized by the "X" codes but do meet the definition of D001. The facility can safely handle these types of D001 wastes that are greater than 100 F in flash point and are combustible but not flammable per US Department of Transportation Hazardous Material Code NA 1993. D001 wastes will be accepted only in small quantities relative to overall waste acceptance. These wastes will be placed into tanks already containing sufficient quantities of compatible higher flash oils, such that the tanks will never contain combustible, characteristically hazardous mixtures.

# 2. Operational Categorization of Waste Streams

The facility is capable of accepting and treating a wide variety of waste streams with varying concentrations of oil, sediment (sludge) and water.

In order to help identify the treatment processes to which these varying wastes will be directed, they have been divided into the following categories, and assigned the following process codes:

CC = Oil/water stream (>80% oil)

CB = Oil/water stream (>30% oil)

CA = Primarily aqueous stream (<1% oil)

CH = Oil/water stream with high sediment content

CE = Oil/water stream with significant emulsified fraction

A process code is determined for each waste stream during the waste acceptance procedure prior to the material actually arriving at the facility. Upon arrival at the facility the waste material's characteristics are checked and used along with, the process code to determine the treatment required.

Subsequent to confirming the proper treatment for each incoming waste stream, the material is off loaded through the receiving system (Drawing A) and, if necessary, the oil/water separation system (Drawing B) and is then transferred into one or more of the seventeen (17) 15,000 gallon or four (4) 25,000 gallon waste storage tanks (Drawing AA).

# 3. Description of Treatment and Processes Equipment

The REMTECH facility utilizes the following processes to transfer, treat and/or store oil contaminated waste streams:

_	Waste Receiving System	(Drawing A)
_	Oil/Water Separator System	(Drawing B)
_	Tank System	(Drawing AÁ)
_	Ultrafiltration System	, , ,
	(component of Waste Water	
	Treatment System)	(Drawing C)
-	Solid Bowl Centrifuge System	(Drawing D)
_	Waste Water Treatment System	(Drawing E)
-	Filtration and High Speed	,
	Centrifuging System	(Drawing F)
_	Process Heating Loop System	(Drawing G)
-	Process Flow Schematic	(Drawing H)
		, , , ,

The specific flow of waste material through the facility and the sequence of treatment processes to be employed will be dependent on the waste materials' physical characteristics and/or contaminants. A <u>Process flow Schematic</u> is attached as Drawing H.

Listed below is a description of each major piece of equipment grouped under the process system which it functions.

## A. WASTE RECEIVING SYSTEM

- Refer to Attached Drawing A

This system is used to off-load incoming waste from tank trucks and feed the material to the oil/water separator system or directly to the tank system.

Trucks are unloaded by gravity into the receiving tank where two bar filter screens remove gross solids. Pumps then pass the waste material to the oil/water separator system or directly to a previously designated storage tank at a rate of up to 500 gpm.

#### Equipment List A

- Name: Bar Screen Tänk

Description: Carbon Steel Open Top Tank, 6' x 10' x 3'

High with 3/8" and 3/16" bar filter screens to remove larger debris. Trucks unload by

gravity into this tank.

Quantity: 1

Material of

Construction: Carbon Steel

Capacity: Up to 500 qpm

Static

Capacity: 1500 Gallons

## B. <u>OIL/WATER SEPARATOR SYSTEM</u>

- Refer to Attached Drawing B

This system is used to separate waste streams with two or more phases into free oil (i.e., oil not in emulsion), sediment (sludge), and aqueous (water) streams.

Incoming wastes are passed through this system at a rate of up to 500 gallons per minute (gpm). The outgoing aqueous phase is then pumped to storage in one or more of tanks C1, C2, C3, 7, 8, 9, 10, 11, or 12 for future treatment in the Waste Water Treatment System.

The outgoing oil phase is pumped to storage in tanks 1, 2, 3, 4, 5, 6, A, or B for further treatment in the Filtration and High-speed Centrifuging System, Solid Bowl Centrifuge

System, the Process Heating System, and/or an oil heating tank

The outgoing sediment phase is pumped to storage in tank A or B for further treatment in the Solid Bowl Centrifuge.

#### Equipment List B:

- Name:

Oil/Water Separator

Description:

A coalescer separator to remove free oil and sediment from oil contaminated water. steam heated separator employs coils prevent freezing. Great Lakes Environmental

model SCR-500

Quantity:

Sizet

10' wide x 9' long x 8' high

Material of

Construction:

Carbon Steel with Coal Tar Epoxy Coating

Capacity:

Up to 500 gpm

Static

Capacity:

5000 Gallons

- Name:

Sump Pump

Description:

Wilden Model M15 used to pump stormwater from receiving and oil/water separator secondary

containment to the oil/water separator.

Quantity:

- Name:

Water Pump Tank

Description:

for water exiting Accumulation tank the

oil/water separator.

Size:

3' wide x 6' long x 4' high

Material of

Construction:

Static

Capacity:

Carbon Steel

500 Gallons

- Name:

Water Feed Pump

Description:

Pumps which deliver aqueous streams from the

water pump tank to the tank system Gould

Model 3196.

Quantity:

- Name:

Oil Pump Tank

Descriptions

Accumulation Tank for oil exiting the

oil/water separator

Size:

3' wide x 6' long x 4' high

Material of

Construction:

Carbon Steel

Static

Capacity:

500 Gallons

- Name:

Oll Feed Pump

Description:

Pumps which deliver oil streams from the oil

pump tank to the tank system. Gould Model

3196.

Quantity:

2

- Name:

Basket Strainer

Description:

Rosedale Products, Model 24. Oil and water

streams flow through separate banks of

filters.

Quantity:

4 % (42each for oil and water)

- Name:

Sludge Pump

Description:

A Moyno P.D. pump which removes the sediment from the oil/water separator and delivers it to the tank system for further processing.

Quantity:

1

Size:

6 "

Material of

Construction: C

Carbon Steel

#### AA. TANK SYSTEM

- Refer to Drawing AA

These seventeen 15,000 gallon tanks are used for receipt of incoming wastes and/or storage of intermediate process materials. Four 25,000 gal. tanks may be used for this purpose and storage of product oil. Four proposed 25,000 gal. tanks will be used for product oil only.

Eight tanks currently have steam heating capability. Heating may be employed to lower viscosity for improved

pumpability or to enhance separation of oil and water phases and breaking of emulsions. Separation aiding Chemicals may also be added.

- Name: Storage Tanks

Description: Above-ground vertical storage tanks with (1)

18" diameter manway on top and one 24"

diameter 4-ft. from bottom.

Size: 17 - 10' diameter x 25'6" high

8 - 12' diameter x 30'0" high

Quantity: 25

Material of

Construction: Carbon Steel

Capacity: 17 - 15,000 Gällons (nominal)

8 - 25,000 Gallons (nominal)

#### C. ULTRAFILTRATION SYSTEM

(a component of the waster treatment system - Drawing E)

- Refer to Revised Drawing C

This equipment is a component of the waste water treatment system which is described in Section E below.

Pre-treated water wastes are pumped from the wastewater treatment system into tank C1 or C2, from which the material is pumped to the Ultra-Filtration Unit under pressure. Water passes through the membranes of the unit into a 1000 gallon storage tank at up to 30 gpm, and thence to the plant sewer system or back to the waste water treatment system for treatment in the final process stages (carbon adsorption is currently proposed). back to tank C1. Tax The balance of the material passes Tank C1 is periodically replenished with waste water pumped from the waste water treatment system or a tank containing wate of similar characteristics until the oil content in tank C1 reaches 25-40%. At this time, the concentrated material is pumped to another storage tank for heating, chemical addition, or further treatment based on material characteristics.

Equipment List C:

- Name:

U.F. Feed Pump

Description:

A centrifugal pump which pumps pre-treated aqueous material from the process tank to the Ultra-Filtration system. The balance of

material flows back to the process tank.

Quantity:

Size:

3" x 2" x 8"

Material of

Construction:

Cast Steel

Capacity

100 gpm

- Name:

Line Heater

Description:

A 40 sq. ft. spiral tube and shell heat exchanger which heats product from tank C1

prior to ultra-filtration.

Quantity:

Size:

2'6" diam. x 1'3" high (40 sq. ft. of heating

area).

Material of

Construction:

Shell - Stainless Steel Tubes - Cupro - nickel

Capacity:

50 gpm

Static

Capacity!

20 Gallons

- Name:

pH Control System.

Description:

A diaphragm metering pump and a pH control and probe which monitors and adjusts the pH of feed material to the Ultra-Filtration

Unit.

Quantity:

1

Material of

Construction:

pH probe-glass. Metering pump and associated

piping and valves-plastic/stainless steel.

Capacity:

Up to 1 gpm (metering pump).

100 F 3 5 5

- Name:

Circulating Fump

Description:

A centrifugal pump circulating process liquid

through the U.F. module.

Quantity

1

Sizet

6" x 4" x 12"

Material of

Construction:

Carbon Steel

Capacity:

600 gpm

- Name:

Ultra-Filter Module

Description:

A series of 168, 1" x 10' membrane tubes for removal of oil from waste water. The process liquid is continuously pumped through the tubes, where waste water passes through the membrane, and thence to sewer discharge. Oil is thus prevented from being discharged to sewer.

Quantity:

1

Sizes

388 Sq. Ft.

Material of

Constructions

Roch Membrane Filter Systems

HDPE Pipe - Membrane Material Proprietary

Capacity:

30 gpm

Static

Capacity:

128 Gallons

- Name:

Water Storage Tank

Description:

A 1000 Gallon storage tank for receipt of

treated water prior to sewer discharge.

Quantity:

1

Size:

6' diam. x 7' high

Material of

Construction:

High density polyethylene

Capacity:

1000 gallons (nominal)

# D. SOLID BOWL CENTRIFUGE SYSTEM

- Refer to Drawing D.

This equipment is used to separate liquid and solid phases of wastes. High sediment wastes or sludges are heated to reduce viscosity and then passed to the solid-bowl centrifuge for separation of the oil/water and sediment phases.

The equipment relies on centrifugal force to separate by gravity the dense (sediment) phase from the light (oil and/or water) phase. Each centrifuge has a capacity of up to 35 gpm.

The sediment phase is collected in drums or self-dumping hoppers (1.5 cu. yd.) for transport to the container storage building, disposal, or further off-site treatment prior to disposal.

The liquid phase, depending upon the nature and content of the material will be passed to another treatment process, or to product storage according to the following parameters:

- i) Material containing less that 2% BS&W (bottom sediment and water) may be pumped to product storage.
- Material containing less than 15% BS&W in free emulsion (i.e. separable by gravity) will be pumped to either vibrating filters or through basket strainers to remove solids prior to high-speed centrifuges where water and sediment will be removed.
- iii) Material containing more than 15% BS&W, or oil and water in an emulsion will be pumped to the heated tanks for further treatment.

Chemical flocculents and/or coagulants may be injected directly into the feed to the solid bowl centrifuges as an aid to improving either the condition of the oil and/or assisting the removal of sediment and water from the liquid phase.

## Equipment List D:

- Name: Flocculent/Coagulant Injection Pump

Description: A diaphragm pump capable of delivering up to

0.5% of flow capacity from a drum into the process line prior to the solid bowl

centrifuge:

Quantity:

Size: 1/2"

Material of

Construction: Plastic/Stainless Steel

Capacity: 0.35 qpm

- Name: Solid-Bowl Centrifuge

Description: A liquid/solid centrifugal separator operated

on a continuous basis to remove sediment from

oil/water mixtures.

Quantity:

.......

Size: 4' long x 2.5' wide x 3' high

Material of

Construction: Stainless Steel

Capacity: 35 gpm

Static

Capacity: 5 Gallons each

- Name: Liquid Phase receiver

Description: A 20 gallon carbon steel column with level

control and high level feed cut-off.

Material of

Construction: Schedule 40 C.S. pipe

Capacity: 20 gallons

- Nämei

Delivery Pump

Description:

A Moyno P.D. Pump controlled by a varying column pressure capable of delivering a continuous flow of liquid to:

a) Tank System

b) Emulsion breaking system

c) Filtration/high speed centrifuge system

d) Product storage tanks

Quantity:

1

Sizet

A w

Material of

Construction:

Carbon Steel/Stainless Steel

Capacity:

68 gpm

# B. WASTE WATER TREATMENT SYSTEM

Refer to Drawing E

This equipment is used for treatment of water prior to sewer discharge. All process water and wash water from the process building passes through this system prior to discharge to the City of Camden Sewer System, and thence, to the Camden County Municipal Utilities Authority Treatment Plant in the City of Camden.

The existing equipment described in this section is a temporary system which is in the process of being optimized pursuant to an agreement with the Camden County Municipal Utilities Authority (CCMUA). A schedule for completion of a final report, and implementation of a permanent system are included in Section F-3 of this application:

The waste water treatment system is comprised of a series of physical and chemical treatment steps which include:

- pH adjustment in line
- equalization if fiberglass tanks
- oil/water separation
- addition of flocculents, coagulants, or pH adjusting chemicals.
- dissolved air flotation
- surge equalization
- filtration in basket strainers

# This Page is Intentionally Blank

- air stripping in a fiberglass column
- oxidation by addition of hypochloride or use of an ozone generator.
- ultrafiltration (this system is described separately in section C)
- carbon adsorption

Water exiting this system is discharged to the CCMUA sewer. Waters treat in this system will vary in composition depending on their source. These may be process waters or rainwater collected in diked areas. Depending on the type and level of contamination, waters may bypass particular treatment steps which are determined not to be required to meet discharge parameters.

## Equipment List E:

- Name: Chemical Feed Pump

Description: Thompson Chemtrex Polypropylene drum pump

used for addition of pH adjustment chemicals.

Capacity: Up to 40 gpm (generally run at less than .5%

of waste water flow rate)

- Name: Equalization Tanks

Description: Vertical tanks for flow equalization

Material: Fiberglass Reinforced Plastic (FRP)

Quantity: 2

Static Capacity: 3500 gallons each

- Name: Oil Water Separator

Description: Great Lakes Environmental Model SRC-100

Coalescing Separator with CPVC packing

Capacity: 100 gpm

Static Capacity: 900 gallons

- Name:

Oil Collection Tank

Description:

Collection tank for oil exiting the oil/water separator and the dissolved air flotation

unit. (1 each)

Material:

FRP

Capacity:

150 gallons each

- Name:

Chemical Addition Tank

Description:

Steel tank with variable speed mixer used for addition of chemicals prior to dissolved air

flotation.

Quantity:

1

Static

Capacity

350 gallons

- Name:

Dissolved Air Flotation (DAF) Unit

Description:

13.5 square foot DAF unit used to float

flocculated oil out of waste water.

Static

Capacity

425 gallons

- Name:

Surge Tank

Description:

Small FRP tank used to equalized flow exiting

the DAF unit.

Static

Capacity

300 gallons

- Name:

Pump

Description:

2" double diaphragm pump used to feed waste

water through the basket filters

Quantity:

1

- Namet

Filter baskets

Description:

Basket/bag filters set up in two parallel

series of 3 filters each.

Quantity:

6

- Name !

Air Stripping Column

Description:

2' diameter x 25' tall FRP column with 18' of 2" Jeager Tripacks. The column has a 2" thick polyurethane mist eliminator and a centrifugal fan with a maximum air flow of

300 cfm.

Quantity:

- Name:

Oxidation Tank

Description:

High Density Polyethylene (HDPE) TANK used

for hypochloride or ozone addition.

Quantity:

Static

Capacity:

300 gallons

- Name:

Ozone Generator

Description:

20 gram ozone per hour generation system to

feed oxidation tank

Quantity:

1

- Name:

Carbon adsorbers

Description:

Modular units containing 2000 pounds of activated carbon each for the final treatment

step.

Quantity:

Static

Capacity:

500 gallons each

#### FILTRATION AND HIGH SPEED CENTRIFUGING SYSTEM F.

- Refer to Drawing F

This treatment system is used for the final treatment of oil containing less than 3% sediment (sludge) and less than 15% water in free emulsion.

The material is passed over vibrating screens to remove some solids, and then heated in line heaters prior to being pumped to high speed centrifuges. Here, water is also pumped into the centrifuges. Free water contained in the oil together with sediment leaves the centrifuge with the water phase, and is passed to a settlement tank where the excess water is drained off and pumped to the tank system or the oil/water separator for further treatment. clarified oil phase is then pumped to product storage.

The settled sludge in the settlement tank is periodically pumped off and to storage in tank A or B for processing through the solid bowl centrifuge.

### Equipment List F:

- Name: Vibrating Screens

Description: Käson 48" vibrating screens with stainless

steel mesh to prevent large particle size solids from reaching the high speed

centrifuges.

Quantity:

Size: 48"

Materials of

Construction: Carbon Steel/Stainless Steel

Capacity: 35 gpm

Static

Capacity: None

- Name: Demulsifier Injection System

Description: An injection pump capable of delivering up to

0.5% of flow rate to the pipe prior to the vibrating screens to allow better separation of oil and water to occur at the high speed

centrifuge.

Quantity: 1

Size: 0.5"

Materials of

Construction: Stainless Steel/Plastic

Capacity: 0.5 gpm

- Name: Intermediate Pumps

Description: Mono M.D. 70 P.D. pumps to remove process

liquid from the vibrating screens to in-line heaters, and thence to the high speed

centrifuge.

Quantity: 2

Size: 70MM (3")

Materials of

Construction: Cast Iron/Stainless Steel

Capacity: 35 gpm

- Name :

Line Heaters

Description:

Hairpin tube and shell heat exchangers which are used to heat process liquid to as high as 200 F before introduction to the high speed centrifuges. High pressure steam (up to 100 psig) is used as the heating medium and condensate is returned for reuse:

Quantity:

4

Size

15 sq. ft.

Materials of

Construction:

Carbon Steel

Capacity:

17.5 gpm

Static

Capacity:

15 gallons each

- Name:

High Speed Centrifuges

Description:

Sharples D1500 high-speed nozzle bowl-type centrifuges to remove sediment up to 3% and water up to 15% from the process fluid. Water is added at up to 14 gpm, and the sediment and water from the process liquid leaves the centrifuge with the water phase. The clarified oil phase leaves the centrifuge separately for removal to product storage.

Quantity:

A

Size:

3' long x 3' wide x 4' high

Materials of

Construction:

Cast Steel, Cast Aluminum, Stainless Steel

Capacity:

17.5 gpm

Static

Capacity:

15 gallons each

- Name:

Product Pumps

Description:

Mono MD 70 P.D. pumps which remove clarified oil from the high speed centrifuges and deliver it to the product tanks or back to the oil heating tanks.

Quantity:

2

Size:

70mm (3")

Materials of

Construction:

Cast Iron/Stainless Steel

Capacity:

35 gpm

095

- Name:

Settlement Tank

Description:

A V-bottom sectional tank where water from the high-speed centrifuges is recycled for The sediment settles to the further use. bottom of the tank, and any free oil plus for weirs from the top further treatment prior to disposal. The sediment (8ludge) is pumped to tank A or B for further

processing.

Quantity:

Size:

20' long x 8' wide x 8' high

Materials of

Construction:

Carbon Steel

Capacity:

2400 gallons

- Name:

Recirculation Pumps

Description:

Centrifugal pumps which deliver clarified water from the settlement tank to the water calorfiers and thence to the high speed

centrifuges.

Quantity:

Size:

3" x 2"

Materials of

Construction:

Carbon Steel

Capacity:

54 gpm

- Name:

Water Calorifiers

Description:

Hairpin tube and shell heat exchangers which are used to raise the temperatures of recycle water from the settlement tank to 150 F prior to delivery to the high speed centrifuges.

Quantity:

2

Size:

20 sq. ft.

Materials of

Construction:

Carbon Steel

Capacity:

Carbon Steel

Static

Capacity:

20 gallons each

- Name: Intermediate Water Pumps

Description: Centrifugal sump pumps which remove water

from the collection tank, after discharge from the high-speed separators, and return it

to the settlement tank for recycling.

Quantity: 2

Size: 3" x 2" x 6"

Materials of

Construction: Carbon Steel

Capacity: 68 gpm

- Name: Sludge Pump

Description: A Moyno P.D. pump which periodically removes

accumulated sludge from the settlement tank and delivers it to tank A or B for further

processing.

Quantity: 1

Size: 6"

Materials of

Construction: Cast Steel/Stainless

Capacity: 50 gpm

# G. <u>HEATING LOOP SYSTEM</u>

- Refer to Drawing G

For purposes of lowering viscosity to enable separation to occur more easily, extensive use of heat is used in many of the treatment processes. Heat is also provided in storage tanks to enable high viscosity materials to remain pumpable and/or to enhance phase separation during storage.

This heat is provided by steam from an on-site 150 H.P. steam raising boiler, fired by natural gas or #2 oil. All condensate is recovered and reused.

- a) A heating loop (Drawing G) which permits heating of process material up to 200 F is provided to heat material prior to treatment in the following systems:
  - i) The solid-bowl centrifuge
  - ii) The filtration/high speed centrifuge system
  - iii) Tank system
- b) The Ultra Filtration System (Drawing C) feed is heated to as high as 140 F to enable higher rates of throughput to be achieved, and to maintain system cleanliness.

111

- C) The Filtration/High Speed Centrifuge System (Drawing F) has line heaters installed which allow heating to 200 F prior to high-speed centrifuging.
- d) The Oil/Water Separator System (Drawing B) has heaters installed to prevent freezing in cold conditions.
- e) The WWTS (Drawing E) has heaters installed to prevent freezing in cold conditions.
- Various storage tanks have plate heaters f) which allow highly viscous materials to be stored, and remain pumpable. These tanks can be heated up to 2000 F.

#### Equipment List G:

As shown on Drawing G, a second system may be added in the future if needed. All quantities listed below would then be doubled.

- Name:

Spiral Heat Exchangers

Description:

These are used to pre-heat process liquid to as much as 200 F prior to treatment in:

- The solid bowl centrifuge system **a** )
- **b**) The tank system
- c) The filtration and high speed centrifuge system

The heat exchangers are of spiral plate internal construction, heated by H.P. steam (up to 100 psig). The condensate is returned for reuse.

Quantity:

Size:

40 sq. ft.

Materials of

Construction:

Carbon Steel Shell/Stainless Steel Internals

Capacity:

100 qpm

Static

Capacity:

50 gallons each

107

- Name:

Flow Control Valve/Back Pressure Valve

Description:

This pair of control valves are of the pinch-valve type. As the operator opens the flow control valve, the back pressure valve closes, forcing process liquid to the required treatment system. The valves are infinitely variable from 0% - 100% open.

Quantity:

1 Pair

Size:

3"

Material of

Construction:

Cast Iron

Capacity:

100 gpm

- Name:

Process Pumps

Description:

Mono MD70 pumps receiving process liquid from:

a) Tank System

b) Directly from an off-loading truck and delivering it to heat exchangers for pre-heating prior to treatment. Liquid is drawn off at a flow control valve after the heat exchangers, and the balance is recirculated to the process pumps.

Quantity:

2

Size:

70mm (3")

Material of

Construction:

Cast Iron/Stainless Steel

Capacity:

50 gpm

## SECTION F-3

## PLANT IMPROVEMENTS AND CONSTRUCTION SCHEDULE

PROJECT	Ь́М	A M	IJ		S	0 1	ID	j	F	M	A	M J	l 1	A	s	0	N E
Waste Receiving and O/W Separator Project Construction						_											
Transfer Pumps Installation							•					•					
Tank Shell Thickness Testing Sides and Top Bottoms		-															
New Oil Product Tank Installation											·						
Container Storage Phase I Construction			_								ı						
Waste Water Treatment - Pilot Study - Reg. Review of Proposed Final Design - Final Design				•													
- Reg. Review - Construction - Start up and shakedown	·							· · · · · · · ·			-						

Revised February 19, 1990

# **REMTECH ENVIRONMENTAL GROUP**

NJD 980 536 577 1800 Carman Street Camden, NJ 08105 Telephone: (809) 365-5544

# FACILITY CLOSURE PLAN AND CLOSURE COST ESTIMATE\*

**SECTION K-2** 

This Closure Plan and cost estimate includes provisions for closing the proposed container storage area and the removal of a maximum 500 drums of stored waste material.

#### TABLE OF CONTENTS

SECTION	DESCRIPTION
	~~~~~~~~~~

- A. INTRODUCTION AND GENERAL COMMENTS
- \* B. PART A APPLICATION
  - C. <u>DISCLOSURE STATEMENT</u>
  - D. FACILITY DESCRIPTION
    - \*D-1 General Description
    - \*D-2 Operations Description
    - D-3 Topographical Map
    - D-4 Zoning Map
    - D-5 Wind Rose
    - D-6 Facility Boundaries Survey
    - D-7 Site Plan
    - D-8 Vehicle Ingress and Egress
    - D-9 FIA Flood Map and Certification Statement

#### ATTACHMENTS

- 1. Location of Facility
  Large Scale State of New Jersey Map
- Location of Facility US Geological Survey Map
- 3. Simplified Plot Plan
- 4. Artist Sketch of Facility Layout
- 5. Ground Water Quality Investigation

#### E. <u>WASTE CHARACTERISTICS/WASTE ANALYSIS PLAN</u>

- \*E-1 Acceptable Waste Types
- E-2 Waste Approval and QC Plan
- \*E-3 Product Specification Finished Product and By-Product Analysis and QC

#### EXHIBITS

- \*A) Material Profile Sheet/Waste Certification
- B) Typical Treatment Option By Process Code

## TABLE OF CONTENTS (Continued)

\*C) Waste Approval and Quality Control Worksheet

D) Pre-Acceptance Analysis Report (PAR)

E) Laboratory Quality Assurance/Quality Control Procedures

F) Waste Sampling Procedures and Guidelines

- G) Testing Methods and Rationale for Material to be Treated on Site
- H) Laboratory Equipment Schedule and Maintenance Agreements
- I) Product and By Product Data Requirements

J) Typical Off-Site TSD Facilities for

Containerized Storage Material

\*K) Typical Waste Acceptance Characterization Parameters for Containerized Storage Material

# F. PROCESS INFORMATION AND ENGINEERING DESIGN

\*F-1 Process Description and Equipment List F-2 Flow Schematics and Engineering Drawings

#### **DRAWINGS**

- A) Waste Receiving System
- B) Oil/Water Separator System
  - Bl Equipment Arrangement Plan
  - B2 Sections and Elevations
  - B3 Concrete Foundation Plan
- B4 Concrete Foundation Sections
  - B5 Concrete Foundations Notes
  - B6 Tank Truck Unloading P&ID
  - AA) Tank System
  - C) Ultrafiltration System
- D) Solid Bowl Centrifuge System
  - E) Waste Water Treatment
- F) Filtration and High Speed Centrifuge System
  - G) Process Heating Loop System
- H) Process Flow Schematic
  - I) Facility Plot Plan
  - J) Safety & Emergency Equipment Location
    - K) Emergency Discharge Cutt-off System
  - L). Construction Drawings
    - L1 Tank System Sections
    - L2 Tank System Sections

#### TABLE OF CONTENTS (Continued)

	L3 Truck Unloading and Process Area Sections
<b>.</b>	L4 Interceptor Tank and Drainage Details L5 Concrete Joint and Sump Details
M)	Concrete Thickness - Concrete Joints & Grades
N)	Tanks
(0)	Container Storage Area
<b>.</b>	Ol Arch. Floor Plan
RT .	O2 Drum Storage Foundation Plan
<b>k</b>	03 Concrete Foundation Section and Details
	O4 Not Used
*	O5 Lighting Plan and Schedule
*	O6 Site Plan Grading and Sewers
F-3	Plant Improvements and Construction Schedule

#### G. PROCEDURES TO PREVENT HAZARDS

- \_G-1 Security
- G-2 Inspection Procedures
- G-3 Waiver of Preparedness & Prevention Requirements
- G-4 Preventative Procedures
- G-5 Prevention of Reaction of Ignitable, Reactive or Incompatible Wastes

#### **ATTACHMENTS**

- 1) Facility Inspection Record
- 2) Inventory Control Record
- 3) Safety & Emergency Equipment Inspection Record
- 4) Group Inspection Procedure
- 5) Tank Inspection Procedure

#### H. TANK DESIGN AND OPERATIONS

#### Table of Contents

- \*H-1 Tank Manufacture & Design
- "H-2 Tank Maintenance
- \*H-3 Tank Use

#### **ATTACHMENTS**

- 1) Tank Construction Standards
- 2) Tank Containment Area Volume

#### TABLE OF CONTENTS (Continued)

3	Not Use	be
_		

- 4) Tank Testing Procedures
- 51 Tank Entry and Cleaning Procedures
- Tank Overfill Protection System
- Tank Gauging System

#### I. CONTINGENCY PLAN

- ,I-1 Purpose
- ,I-2 General Facility Description
- I-3 Emergency Response Chain of Command I-4 Emergency Procedures
- I-5 Evacuation Plan
- I-6 Characteristics of Waste
- I-7 Emergency Equipment
- I-8 Coordination Agreement
- I-9 Notification Requirements
- I-10 Contingency Plan Amendment

#### **ATTACHMENTS**

- \*I-A SPCC Plan
- "I-B Coordination Agreements
- I-C Primary Emergency Call List
- \*I-D Hazardous Waste Data
- I-E Safety and Emergency Equipment Location

#### PERSONNEL TRAINING J.

- \*J-1 Introduction
- "J-2 Introductory Training
  "J-3 Continuing Training
  J-4 Semi-Annual Drills

- J-5 Organization
- J-5a Job Titles and Descriptions
- J-5b Employee List
- J-6 Record Keeping

#### **ATTACHMENTS**

- Disciplinary Rules
- Management Structure
- Spill Contingency Plan
- Training Documentation

#### TABLE OF CONTENTS (Continued)

- Employee Development Record Incident Investigation Form
- K. FINANCIAL REQUIREMENTS
- OTHER PERMITS L.

  - K-1 Deed and Ownership Records
    \*K-2 Closure Cost Plan and Estimate
  - K-3 Insurance
- TWO PART CERTIFICATION M.

## SECTION A

# INTRODUCTION AND GENERAL COMMENTS

# A. <u>INTRODUCTION AND GENERAL COMMENTS</u>

The facility for which this Part A and Part B permit submittal is being made, was originally built in 1981 and started operations in early 1982 as Flowen Oil/Delaware Valley, Inc. (FODV). FODV has owned and operated the facility under interim status since that time. The initial Part B permit application was filed on August 22, 1984. The previous permit applications were found deficient by New Jersey DEP and additional information responding to the deficiencies was submitted by FODV.

In January of 1989 Remtech Environmental prepared additional responses to deficiencies and requested the opportunity to reorganize and supplement the information in the facility's Part B Application. At this time Remtech Environmental was operating under an interim management agreement with the owner of FODV while awaiting the review of the required A-901 disclosure statements to finalize the acquisition. The acquisition was finalized in November of 1989.

Remtech's request to reorganize the Part B Application was granted and the revised application was submitted to New Jersey DEP on April 28, 1989.

Remtech received a notice of deficiencies (NOD) in the revised application from New Jersey DEP dated December 21, 1989. The following application incorporates the additional information requested via the December 21, 1989 NOD.

The facility located in Camden, New Jersey, is described in detail in Section D of this application. In brief, the facility is a waste oil treatment facility, constructed to be above the 100 year flood plain on approximately one (1) acre. The entire facility is on concrete with six (6) inch curbs to allow the facility to be self containing in the event of a spill. In addition, each storage or processing area is individually contained. Section D provides a full description.

The facility, as built in 1981, was designed to separate oil from water and/or sediment. The original process was based on storage in tanks, heating, filtration, pH adjustment and centrifuging. Economic processing was really optimum only when incoming oil wastes had relatively limited amounts of water and sediments.

The facility designers could not foresee both the wide range of oil wastes that ultimately would be regulated by the State of New Jersey, and the economic downturn in prices for recycled oil as a finished product. Now, the large number of oil waste

materials regulated by the State of New Jersey has resulted in an increased customer demand for oil waste treatment services that can handle a diverse range of oil wastes including materials with much higher levels of water and sediment. To this end, the facility has been under improvement by increasing its capability to process higher sediment, higher water level waste materials. This Part B submittal includes a detailed process description in Section F, along with the final construction schedule for these improvements.

An example of a facility upgrade includes the addition of a solid bowl centrifuge that allows the facility to economically remove much higher levels of sediment. A second solid bowl centrifuge is also included in the process description.

An ultra-filtration unit has been added to pre-treat water prior to discharge to the sewer system. As described in Section F (Drawing E), the waste water treatment system is to be further upgraded with the addition of pH adjustment, oil/water separation, chemical addition (flocculation), dissolved air flotation, filtration, air stripping, oxidation, and/or carbon adsorption. A temporary system is currently being tested. This is in agreement with the requirements of the discharge permit held under the authority of the Camden County Municipal Utilities Authority.

To improve the ability to separate oil from water, methods to improve emulsion breaking have been included in the application. It is important to note, all of the process design improvements only increase the ability of the facility to efficiently treat materials utilizing processes that were included in the scope of the original design; i.e., heating, separation of oil, pH adjustment, removal of water, centrifuging to remove sediment, and filtration to remove solids. Therefore, the process improvements are consistent with the Treatment Operations described in the facility interim status permit.

The facility is currently approved to store and treat New Jersey DEP hazardous waste codes X721 to X728.

Some waste materials that have petroleum oil fraction as a component will demonstrate a flash point less than 140 F. If these liquid oily wastes do not meet the source generating definitions listed of X721 to X728, then the waste would be correctly classified as D001. While the material is still the same oily waste, the facility would not be able to accept the D001 waste due to permit definitions, even though the facility could accept the waste if the wastes were able to be classified as an X code. The facility is designed and operated to safely handle materials with flash points less than 140 F but greater than 100 F. This permit application requests the inclusion of limited acceptance of D001 wastes that can be treated by the facility but would otherwise need to be rejected solely due to classification as D001.

Similarly, the facility is capable of handling wastes which are essentially aqueous with a minimal oil fraction. In some cases, such as tank cleaning, these wastes may be defined as X721 to X728. In other cases, aqueous materials which are treatable by the facility fall under the NJDEP X-900 waste code. This application requests the acceptance of X-900 wastes.

In order to improve the ability to properly handle site generated wastes, and to serve customers who choose to ship their wastes in containers, a container storage facility, to be constructed on the eastern portion of the property, is included in this application (Section F, Drawing O). The facility, to be constructed in two phases, will allow for 27,500 gallons of permitted storage capacity as well as providing independent secondary containment for two roll-off containers. These containers are to be used for satellite accumulation of site generated wastes from the bar screens, centrifuges, filter baskets and/or other compatible solid or sludge wastes. (See the Process Description in Section F for sludge sources.)

facility design includes independent containment trenches which allow for segregated storage of incompatible waste This application requests approval for storage only of hazardous wastes in the D002 and D004-D011 waste classes and several F and K codes as listed in the Part A application (Section B). This capability will allow the facility to better serve generators with a variety of waste streams, especially when some can be treated at this facility and some cannot. Compatible wastes will be stored together until enough have been accumulated economically ship full loads of drums appropriate treatment, storage, or disposal facilities. In accordance with the Waste Analysis Plan, these wastes will be analyzed to the extent necessary to confirm that the waste matches the profile sheet and to properly categorize the waste for safe and proper storage. (See Section D-2 for a complete description.)

The facility will also allow for bulking of containerized X721 to X728, X-900, and D001 waste liquids using a vacuum tank truck. Waste types approved only for storage will not be bulked on site. Bulked material will be transported to the receiving area where it will be handled like any other incoming load. It will be tested in accordance with the Waste Analysis Plan before entering the treatment process.

The Site Contingency Plan (Section I), Procedures to Prevent Hazard (Section G), and Personnel Training Program (Section J), have been updated to reflect the addition of D001 and X-900 waste codes, the container storage area and the containerized storage of D, F, and K codes.

The Closure Plan (Section K) has been revised to properly address the inclusion of stored RCRA hazardous wastes. The Closure plan has also been updated to include the improvements in

the tank storage system, receiving system, and the container storage building.

The Inspection Procedures (Section G-2) have been modified, along with the Waste Analysis Plan (Section E) to include provisions for inspection and sampling of drums.

Remtech Environmental has undertaken an extensive tank cleaning and tank improvement program. The tanks (see Section H for details) are being fitted with high-level alarms and automatic cut-off system that will eliminate the potential for overflow of tanks.

The tank storage area that is located south of the process building, (Drawing I in Section F) was originally designated for finished product only. The secondary containment in this area, however, is sufficient for additional tanks. Consistent with the process improvements that allow the facility to handle some larger volume waste streams, (for example, water containing oil from customer spill clean-up activities) this application includes the addition of four additional 25,000 gallon storage tanks in this area. In addition, four of the eight tanks would be designated for both waste and product storage use. capacity increase for waste storage in tanks will allow for significant improvements in process efficiencies. application includes this proposed increase in all applicable permit application sections, including a revised Closure Cost Estimate (Section K).

The facility spill containment systems have also been improved. Each tank storage area has its own containment dike. The future receiving area is also designed with complete containment for trucks and all transfer equipment. The container storage area also incorporates containment trenches and sumps to spills from both permitted storage and satellite Existing containment trenches in the process accumulation areas. building have been disconnected from drain lines to contain spills within the building rather than at the underground oil interceptor tanks. Thus, only non-process areas, where significant spills are unlikely, are controlled through the overall facility containment system consisting of concrete pavement with 6-inch curbs, collection trenches, underground oil interceptor tanks.

To further improve the ability to be fully self contained, an automatic cut-off valve is being installed at the discharge point where the facility connects to the public sewer. This device is fully described in this submittal (see Drawing K in Section F as well as Section G). This system will detect extremely low levels (ppm) of hydrocarbons and automatically shut off the discharge to prevent oil from entering the public sewer system.

) areas	are spaced f	or elite
RM		P/
D.D.	NUMBER TY NAMI	
ACILI		:55
FACIL	TY	
<u> </u>	ANT CHAR	ACTE

#### U.S. ENVIRONMENTAL PROTECTION AGENCY **GENERAL INFORMATION**

Consolidated Permits Program (Read the "General Instructions" before starting.)

Remtech Environmental 1800 Carman Street Camden, New Jersey 08105

609-365-5544

1. (	EPA	I.D.	NL	М	BEF	Ű							
Ы	1		7	1	1	Т	Ţ	1	1	1	1	TIA	E
F	Ņ.	ΙĹ	٠.	9.	8	Δ.	б.	5	7	7	-		٥
<u> </u>	<u>.                                    </u>											14	:
		•		Œ	1AL	. IN	SŢ	RU	CTIC	DNI			

if a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted date is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill—in area(s) below. If the label is complete and correct, you need not complete items I, III, V, and VI (except VI-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under the legal authorizations under which this data is collected.

IISTICS

TRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you enswer "yes" to any tions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column he supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity

SPECIFIC QUESTIONS	¥80	MAR	PORM ATTACHED	SPECIFIC QUESTIONS		MAR	K 'X'
Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? FORM 2A)	16	×	ATTACHES	B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or squatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)	780	X	PORM
is this a facility which currently results in discharges to waters of the U.S. other than those described in or 8 above? (FORM 2C)	- 22	×		D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)	10	X	
)oes or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	. 2		x	F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)	89	X	. 17_
other fluids which are brought to the surface other fluids which are brought to the surface other fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid sydrocarbons? (FORM 4)	30	×	16	H. Do you or will you inject at this facility fluids for spe- cial processes such as mining of sulfur by the Frasch process, solution mining of minerals, in altu combus- tion of fossil fuel, or recovery of geothermal energy? (FORM 4)	91	X	93
s this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the clean Air Act and may affect or be located in an intainment area? (FORM 5)	••	×		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)	31	ıı X	16
AME OF FACILITY					41	44	45
REMTECH ENVIR	o	N	M E N	TAL	••		* *
LEISCHMAN, PAUI	_		IC E	P. R. E. S. 609 3 65 5 54 4			,
A. STREET OR P.O. I							
1800 Carman Stre	_	t	<del></del>				
a m d e n	- <sub>7</sub> -	<del></del>		C.STATE D. ZIP CODE		•	
ACILITY LOCATION	ì			11 11 11 11 11 11 11 11 11 11 11 11 11			
A. STREET. HOUTE NO. OR OTHER SP			DENTIFI	I.R			
B. COUNTY NAME	<u>e</u>	<u>.t</u> .					,
den	<u> </u>	1. 1	<del></del>				
				16-]		•	
C. CITY OR TOWN				D.STATE E. ZIP CODE F. COUNTY CODE			

NUED FROM THE FRONT					•
SIC CODES (4-digit, in order of priority)					
A. FIRST		*		S, SECOND	
199 2 (specify)		<u> </u>	pecify)	<i>i</i> ,	
<u>ع. مرد.</u>		111111111111111111111111111111111111111	•	·	
C. THIRD				D. FOURTH	
(specify)		4 116	specify)		
18.		7			
PERATOR INFORMATION		17 1			
	A. NAME				B. Is the name listed in
EMTECH ENVIRONI		·	<u>ī i i i</u>		Item VIII-A also the
EMIECH ENVIRONI	MENT.	AL (NJ) L	Р	•	YES WO
	•	*! <u>-</u>		<del> </del>	
C. STATUS OF OPERATOR (Enter the appropriate letter	r into the answe	r box; if "Other", s	pecify.)	D. PHON	E (area code & no.)
FEDERAL M = PUBLIC (other than federal or sta STATE 0 = OTHER (specify)		ecify)		9 7 70	
PRIVATE CONTIER (IPEEI/Y)	P			A 6 09	36 5 55 4 4
E. STREET ON P.O. BOX		<del>-                                    </del>		1101 110 - 101	10 - 11 11 - 20
	111	<del>                                      </del>	-1		
00 CARMAN Stree	<u> </u>	<del></del>	_		
F. CITY OR TOWN	<del></del>	G.STATE	H. ZIP CODE	IX. INDIAN LAN	
, , , , , , , , , , , , , , , , , , ,	1111	<del>, ,    , , ,  </del>	1111		ted on Indian lands?
cam den		NJ	0 8 105	☐ YES	M D
		40 41 42	17 - 91	52	
STING ENVIRONMENTAL PERMITS					
		from Proposed Sol	urces)		
	1 1 1	11111			art B - Appli-
R E N.D. L N G 9 P		<del></del>			ction L, which
i. UIC (Underground Injection of Fluids)		R (specify)		<del>identifies</del>	all curr. air
	1 1 1 1	11111	(spe	permits -	
17 10 · · · · · · · · · · · · · · · · · ·	18****	<del></del>		•••	
C. RCRA (Hazardous Wastes)		R (specify)			
	<del></del>	<del>, , , , , , , , , , , , , , , , , , , </del>	(spec	ify)	
RENDING 9		<del></del>			
AP.		1			
ch to this application a topographic map of the arc	ea extending to	o at least one mil	e beyond are	perty houndaries	The man must show
volume of the locality. The location of when of item	EVILLING SDA R	ronomad intole i	and disabases.	*****	<b>* *</b> - <b>*</b>
wient, storage, or disposal racinties, and each Well	i where it inje	cts fluids underg	round. Inclu	de all springs, riv	ers and other surface
. codies in the map area. See instructions for precis	se requirement	ls.			
ATURE OF BUSINESS (provide a brief description)					
Engage 1 the state	•				
Engaged in the storage p	processin	ng, blendi	ng, tre	atment and	disposal
of used oils, oily waste	materia	ars, oil/w	ater em	ulsions ar	nd oil con-
taminated water. Engage	ed in the	e resale c	recyc	led oil, d	lischarge of
pretreated water to a P	OTW and	the shipm	ent of	waste prod	ess byproduct:
offsite for disposal. T	ne faci	Lity will	also st	ore and to	cansfer other
containerized solid and	liquid !	nazardous	wastes.		
•		4			
112		•		*	
116					
CERTIFICATION (see Instructions)		·		<u></u>	
ertify under penalty of law that I have personally each ments and that, based on my inquiry of those	examined and i	am familiar with	the informat	ion submitted in	this application and all
ication, I believe that the information is true acc	r persons unn curate and cor	nculately respons			
information, including the possibility of fine and	imprisonment	ripiole, i am awa	us wat there	ara significant p	enaities for submitting
E & OFFICIAL TITLE (type or print)	BISIGNAT				
(i) Francis			_	i	C. DATE SIGNED
Paul L. Fleischman, Vice Pres	a / done	Tem.	. / ?		00 15 00
	5.7		- 67	L 112 "	02-15-90
MENTS FOR OFFICIAL USE ONLY					

In

27,500

355,000

720,000

FORM	
<b>1</b> 1	V.LDV
เป	WHYA!
U	
(:1(A	A

# U.S. ENVINONMENTAL PROTECTION AGENCY

自然實際自然學家的自然學園的 (對學學會)

		.,.,.	******	• • • • • •	** *****	130	·JOU	127			
	GD.	A 1	13 NI	150	BER	4	35,377		1253		10 1
-		<u> </u>	17, 140	וחכ	DEK.	(1) i	1.15		3	15.3	
۳.		-			<b>d</b> 5		7.	T =		110	
13	N	U	119	B	l 45.	l 31	65	17	1 /	-	
		ш	l			1	- 1 -	1			H
				-		_				_	•

	CILA	1	> EPA		NZAHDOU İ'his informati	Cons	mi	alvd	Pen	mits .	Piene.	.wes				i N	JE	9 8	d5	3 6	5 7	7	-
ď	<b>1</b> (	)FF	ICIAL USE ONLY			- 1								7	regenerations/ar	معاطعات			ساسا.				士
	7	1	ON DATE RECEIVE				· -				· · · · ·	<u> </u>	-		OMMENTS			1. 1.1. 11.				,	
_		5														,							
			OR REVISED APPL											4	<b>建筑工机流</b>	, A	7 50						
	71.0	,, ,,,,,	" in the appropriate bo ication. If this is your ( umber in Item I above.							•		, .	het El	her t	his is the first a D. Number, or i	pplicati I this is	on you a revise	are submi d spplice	itting f tion, e	or you	ir fac	ility o scility	и в '3
١.	FIR	ST	APPLICATION (place	e an ")	C" below and	provid	10 11	h- 0								<del></del>							
	. 23.	-		J, p.	are tient betol	o. ,									•	[] 2.N	EW FA	CILITY (		ele ile 1 NEW			
3	8		H CO F C (mass	the bo	TING FACILION BEGAN OF	ÿ	~ _	~ , ,		1421	HUC	TIO	y <i>r.</i> ,	7110. OM	.& duy) Menced	710.	<b>1</b>	7	PHO (yr.,	MO., L N BEG	THE day	DAT OPE OR IS	E R/
	REV	) i se	D APPLICATION (	place a	n "X" beluw .	end co	mp	lete	Hen	ı I al	mme)					11 19		11 19	·	ECTE			
Ī			ESSES CODES AN			4.1.1.	6242	- TO				MAD S			Anti-Calledon a Maria and an anni			TY HAS	<b>VRC</b> R	A PEF	MIT	•	
	PRO enter descr	CES ring or ribe	S CODE — Enter the co codes. If more lines are the process <i>lincluding i</i>	ode from needed ts design	m the list of p d, enter the co n capacity) in	roces: cle <i>(s)</i> the s	in t	ules E	poce poce	no lu	ot bes vided	ioren	i	tom I	ach process to the used the used the state of the used the state of the used the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the st	e used hat is n	10.00	acility. T	en line	s are p	provi	ded fo	ir en
	PRO 1. A 2. U	CES MOI INIT	S DESIGN CAPACITY UNT — Enter the amou OF MEASURE — For Ire used. Only the unit	— For	each code ent	ered i	n ec	nulc	n A	ente	r the	сара	BCit	y of	the process.	easure (	codes be	slow that	descril	bes the	unit	t of	
				PRO- CESS	APPROPR MEASURI	IATE	UN	IITS	OF			••					PRO-		OPRI				
			PROCESS	CODE	DESIG	N.CA	PAC	LITY	ESS					P	ROCESS		CESS CODE	MEAS	SURE ESIGN	FOR F	ROC	CESS	
c	CHT.	AIN	ER (barrel, drum, etc.)	301	GALLONS	og u	178	D#			_	rest		<u> 1t:</u>				U	.ordil	·	WLL.	I	-
	AST		LE	302 303	COBIC AVI	OR LI	TE	RS				AN: Urf		E IN	IPOUNDMENT		TOI	GALLO LITER:	SPER	DAY			
Į		ÇE	IMPOUNDMENT	504	GALLONS	DR L	TE	RS						RAT			T02	GALLO LITER: TONS I	5 PER	DAY		R	
ŀ	AND	100	N WELL	D79	GALLONS	OR L	TE	Re										GALLO	C TOP	NS PEI	HOUR	UR; OK	
_		F15.		D#0	WORLD COME	f (the	vol	ume lo a	tha	ť	O'	THE	R al c	(Use	for physical, chi	emical,	T04	GALLC	NS PE	ER DA		R	
ຼັ	AND	APP	LICATION SPOSAL	D01	depth of one HECTARE- ACRES ON	METE	R CAR	-			44	rlac	2 11	710(	occurring in (an	ks,		LITER	3 PER	DAY			
			IMPOUNDMENT	D42	LITERS PE	PER (	) A Y	OR	1		ih	ers. u sp	OC#	proc	e the processes ided; Item III-	(n C.)							
				UNIT											NIT OF						1.11	NIT O	Ė
			MEASURE	CO	DE	UNI									EASURE CODE	UÑI	TOF M	EASURE	:		ME	ASUF	-
	UBIC	Y A	ROS	• • • •	 L										V	ACE	RE-FEE	T				CODE	
ف	<b>ALL</b> C	ME.	TERS		č	GAL	.Lo	NS I	PEH	HO	UR.	)A.	• •	• • •	w	ACF	RES	METEH.	• • • •	• • • •		F	
ĸ	AMPI	FF	OR COMPLETING IT		shown in line		E 14 3	PEI	RH	DUH					H	HEC	TARES	3	• • • •	• • • •	• • •	a	
	- Lai	noi	d 400 gailons. The faci	ility als	o has an incin	erator	the	st ca	n txu	ונט ח	p to 2	20 g	silo	us be	ity nas two stori ir hour.	oge tan	ks, one i	tank can l	rold 20	00 gall	ous s	and the	
L	<del></del>		D U P			7,	7		7		Z	1	7	/	1111	7	77	77	7,	7	7	1	_
i	CE	RO BS	B. PROCESS	DESIG	GN CAPACI			4	FC			C A	. P	RO-	B. PRO	CESS	DESIG	N CAPA	CITY		$\overline{\Gamma}$		7
どうろう	(fron	DE n lis	1. AMG	DUNT I(y)		2. U OF N SU (en	IEA RE [er	101		CIA	L W	Σ (/	ron	BS DE I list ve)		1. AMO	TŅU		0	UNIT	1	FOR FICI USE	AI
1	S	) 2	600			21	Ŧ	12.			43	<u>د</u> ا	_	-14	19		· · · · · · · · · · · · · · · · · · ·	·		enter ode)		ONL	
<u>'</u>	-	+-				G	4	-		_	5	T		0 4	288	,000	)			ΰ		Ť	Τ
4	110	7 3	20	) 		E					6	T	•	0 4	100	,800	)			U	П		T

97,920

86,400

144,000

164

U

U

U

T 0

T O

8

9 Т

U

I. PROCESSES (continued)  PACE FOR AUDITIONAL PROCESS CODES OF AUDITIONAL PROCESS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS CODES OF ACLUS	II FOR DESCRIBING OTHER PROCESSES (cute	
Line 1 - S01 - Contai Line 2 - S02 - Tank S Line 3 - T01 - Oil/Wa Line 4 - T01 - Emulsi - includ Line 5 - T04 - Heat e Line 6 - T04 - Solid Line 7 - T04 - Filtra Line 8 - T04 - Ultraf Line 9 - T04 - Waste process separa filtra and cas	ner Storage - 27,500 gallo torage - 355,000 gallons ter Separation - 720,000 go on Breaking - 70,000 gallo es heating, phase separation xchangers - 288,000 gallons Bowl Centrifuge System - 1 tion/High Speed Centrifuge iltration - 86,400 gallons Water Treatment - 144,000 s includes: pH adjustment tion, chemical addition, of tion, air stripping, oxidar rbon adsorption.	gallons per day ons per day on, chemical addition as per day .00,800 gallons per day .0-97,920 gallons per day gallons per day gallons per day. This c, equalization, oil/water lissolved air flotation, ation, ultrafiltration,
	2A, 2B, and 2C of 5 for a	dditional information.
DESCRIPTION OF HAZARDOUS WASTE PA HAZARDOUS WASTE NUMBER — Enter annulle hazardous wastes which are not listed in tics and/or the toxic contaminants of those hazardous wastes which are not listed in tics and/or the toxic contaminants of those hazardous wastes which are not listed in the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same o		re each listed hozardous waste you will handle. If you from 40 CFR, Subport C that describes the characteris-
STIMATED ANNUAL CHANTITY		entity of that weste that will be handled on an annual entity of all the non-listed waste(s) that will be handled
UNIT OF MEASURE — For each quantity enter odes are:	ed in column B enter the unit of measure code. Ur	nits of measure which must be used and the approprie
ENGLISH UNIT OF MEASURE	CODE METRIC UNIT	DEMEASURECODE
facility records use any other unit of measure account the appropriate density or specific gravity	for quantity, the units of measure must be converted the waste.	ed into one of the required units of measure taking into
PROCESSES PROCESS CODES: For listed hazardous waste: For each listed it indicate how the waste will be storent trente for non-listed hazardous wastes: For each contained in Item III to indicate all the process that cheracteristic or toxic contaminant. Note: Four spaces are provided for entering extreme right box of Item IV-D(1); and (3) Entering the code is not the E: HAZARDOUS WASTES DESCRIBED BY In the one EPA Hazardous Waste Number shall be a select one of the EPA Hazardous Waste Number and quantity of the waste and describing all the process included with above and line enter the other "included with above" and make an extreme interior.	inzardous waste entered in column A select the coil d, and/or disposed of at the facility. The characteristic or toxic contaminant entered in columns as the will be used to store, treat, and/or dispose process codes. If more are needed: (1) Enter the ter in the space provided on page 4, the line number ted for a process that will be used, describe the process that will be used, describe the process that will be used. The content of the described on the form as follows:  MORE THAN ONE EPA HAZARDOUS WASTE No electribed on the form as follows:  Bers and enter it in column A. On the same line composesses to be used to treat, store, and/or dispose of the EPA Hazardous Waste Number that can be used to	els) from the list of process codes contained in Item III ann A, select the codels) from the list of process codes so of all the non-listed hazardous wastes that possess dirst three as described above; (2) Enter "U00" in the and the additional codels), as in the space provided on the form.  UMBER — Hazardous wastes that can be described by elete columns B,C, and D by estimating the total annual in waste.
(AMPLE FOR COMPLETING ITEM IV (shown in tear of chrome shavings from leather tanning are corresive only and there will be an estimated as	raste Number that can be used to describe the hazard time numbers X-1, X-2, X-3, and X-4 below! — A to	lous waste. cility will treat and dispose of an estimated 900 pounds eat and dispose of three non-listed wastes. Two wastes is corrosive and ignitable and there will be an estimated
HAZARD. B. ESTIMATED ANNUAL.	C. UNIT	D. PROCESSES
(enter code) QUANTITY OF WASTE	(enter (enter)	2. PROCESS DESCRIPTION (if a code is not culered in D(1))
-1  K   0   5   4   900		
1002 400		114
-3 10 0 0 1 100	r 7 0 3 0 8 0	11.4
10002		196

#### SECTION B

#### PART A APPLICATION

# I. PROCESS DESIGN DESCRIPTION

## (LINE 1) SO1 - STORAGE IN CONTAINERS

A maximum of 27,500 gallons of waste materials will be stored in drums or rolling hoppers while awaiting bulking and treatment or transport offsite.

# (LINE 2) SO2 - STORAGE IN TANKS

A maximum of 355,000 gallons of waste will be stored in twenty-one tanks. There are seventeen tanks measuring 10' diameter, 25'6" in height and have a capacity of 15,000 gallons each. There are four tanks measuring 12' diameter, 30' in height, having a capacity of 25,000 gallons each.

17 tanks x 15,000 gal = 255,000 gallons 4 tanks x 25,000 gal = 100,000 gallons TOTAL 355,000 GALLONS

# (LINE 3) TO1 - TREATMENT IN TANKS

OIL/WATER SEPARATION SYSTEM: This system is used to separate the free oil, aqueous, and sediment fractions of wastes. Wastes are passed through this sytem at a rate up to 500 gallons per minute (gpm) or 30,000 gallons per hour (gph). (720,000 gallons per day).

# (LINE 4) TO1 - TREATMENT IN TANKS

100 m

EMULSION BREAKING: This system allows the addition of pH adjustment chemicals and demulsifiers combined with the addition of heat to treat emulsions. The maximum treatment capacity of this system is approximately 70,000 gallons per day (gpd).

# (LINE 5) TO4 - OTHER PROCESSES

Two spiral wound HEAT EXCHANGERS are used to elevate the temperature of waste streams prior to other treatment processes. These heat exchangers have a maximum flow rate of 100 gallons per minute (gpm) each or 6,000 gallons per hour (gph) each. Two heat exchangers at 6,000 gph equals 12,000 gph. (288,000 gallons per day).

115

#### (LINE 6) TO4 - OTHER PROCESSES

SOLID BOWL CENTRIFUGE SYSTEM: This system separates liquid and solid phases of wastes. The system consists of two separate solid bowl centrifuges, each with a treatment capacity of 35 gallons per minute (gpm) or 2,100 gallons per hour (gph). Two centrifuges operating at 2,100 gph equals 4,200 gph. (100,800 gallons per day)

#### (LINE 7) TO4 - OTHER PROCESSES

FILTRATION/HIGH SPEED CENTRIFUGE SYSTEM: This system is used for the removal of water (in free emulsion) and sediment. The system consists vibrating screens and four high centrifuges (HSC). The four HSC's are arranged in two parallel systems, each with a treatment capacity of 34 gallons per minute (gpm) or 2,040 gallons per hour (gph). Two parallel systems operating at 2,040 gph each equals 4,080 gph. (97,920 gallons per day)

#### (LINE 8) TO4 - OTHER PROCESSES

ULTRA-FILTRATION SYSTEM: This system is used for the treatment of aqueous streams prior to discharge. The main component of the system is two ultra-filtration units each with a maximum treatment capacity of 30 gallons per minute (gpm) or 1,800 gallons per hour (gph). Two ultrafiltration units operating at 1,800 gph equals 3,600 gallons per hour. (86,400 gallons per day)

#### (LINE 9) TO4 - OTHER PROCESSES

WASTE WATER TREATMENT SYSTEMS: This system is used for the treatment of aqueous streams prior to discharge. This sytem includes the following processes: pH adjustment, equalization tanks, oil water separation, chemical addition (coagulant, flocculant, or pH adjustment), dissolved air flotation, filtration, air stripping, oxidation (chemical or ozone addition), ultrafiltration, and carbon adsorption. The treatment capacity of this system is 100 gallons per minute (gpm) or 144,000 gallons per day (gpd).

EPA I.D. NUMBE	nage before completing if you n (enter from page 1)	hav.	mon	n than 26 m			IAL USE	Form Appro	wed OMB No. 158-S80004
NJ D 98 0		//		W.		D U.P.		1/A C	11/1//
/ J. EPA	OF HAZARDOUS WAST	ے ا	CONT	inucd)				2 DUP	
O WASTENO (enter code)	ESTIMATED ANNUAL DUANTITY OF WASTE	.   0	TRAFA WHEE Color	\ ·	I. PROCE	ss cone		D. PROCESSES	
x 7 21	100,000	<u></u>	Tell		so 2		T0'4	(if a code	ESS DESCRIPTION is not entered in D(1))
2 x 72 2	100,000	-	T	S0 1	S02	TOI	TO4	•	
x 7 23 3	100,000		T	501	SO2	TOI	TO4	· · · · · · · · · · · · · · · · · · ·	
X 7 24 ]	100,000		T	so1	SO2	TOI	TO4		·
x 7 25 ]	100,000	1	T	S0 1	S0 2				
x 7 26 1	100,000	H	T	501	502	TO1	T04		
x 7 27 1	100,000	+-	T	S01	502	T01	TO4	Agr	
x 7 28 1	.00,000	╁┤	T	SO1	S02	T01	T04		
x 9 00 1	00,000	H	T	S01	S02 S02	T01	TO4		
D 00 1	10,000	╂┥	T	S01	S02 S02	T01	T04		. 94
D 00 2	10,000	H	T	501		1 1	104		
004	10,000		T	S0 1	<del></del>				
D 00 5	10,000	H	T	S0 1			<del>,</del>		
D 00 6	10,000	┾╌┟╴	T	S0 1	<del>-,-,</del>				
D 00 7	10,000	$\vdash \vdash$	T	S01					
D 008	10,000	- -	T	S01	-1				
D 00 9	10,000	<u> - </u>	T	501	-1				
D 010	10,000	1		501	<del></del>				
D0 1 1	10,000	-		501		<del></del>			
F 00 1	10,000			501			<del></del>  -		
F 00 2	10,000	7		501	<del></del>	<del> </del>	1 -		
F 00 3	10,000	7	†=†	501	<del></del>	<del> </del> -	<del></del>		
F 00 4	10,000	7		S01		<del> </del> -	1-1-		
2 05	10,000	7		S01	<del></del>	<del> </del> -	7		
H 00 6	10,000	7	- -	501		<del></del>  -	<del> </del>		
, 007, ,	10,000	_ 	- -	901	T		7-7-		117
orm 3510-3 (6-80)		130		, : 20 27	- 19 11	- 29 17	16	8	CONTINUE ON DEVE

169

26

118

intinued from the front.	
DESCRIPTION OF HAZARDOUS WASTES (continued)	and the first of the second second second second second second second second second second second second second
USE THIS SPACE TO LEST ADDITIONAL PROCESS CODES FR	OM ITEM D(1) ON PAGE 3.
$ hicksim \mathcal{X}$	
N/A	
	:
	•
EPA I.D. NO. (enter özom page 1)	
TIAC	
12 14 15	
FACILITY DRAWING	的一种是一种的一种,但是一种的一种的一种的一种。
existing facilities must include in the space provided on page 5 a scale drawing PHOTOGRAPHS	g of the facility (see instructions for more detail).
	and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t
ing facilities must iinclude photographs (aerial or ground—levent and disposal areass; and sites of future storage, treatment or	that clearly delineate all existing structures; existing storage,
DESCRIPTION TO THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF	and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t
LATITUIME (degrees, minutes, & seconds)	LONGITUDE (degrees, minutes, & seconds)
3 9 57 01 6	0 75 0 9 05 0
II. FACILITY OWNER	10 13 UD 8
A. If the facility owner is also the facility operator as listed in Section VIII skip to Section IX believe.	on Form 1, "General Information", place an "X" in the box to the left and
B. If the facility owner is not the facility operator as listed in Section VIII	
1. NAME OF FACILITY'S LEGAL OWN	z. PHONE NO. (area code & no.)
Resource Management Technologies,	Inc. 2 12 -5 05 -8 19
3. STREET OR P.O. BOX	4 CITY OF TOWN
12th Floor, 141 Fifth Avenue G Ne	
4' 11'	W York NY 1 0 01 0
	位于"特别人民共和国的政治和政治政治政治,以为政治政治、政治政治、
ertify under penalty of law that I have personally examined and am cuments, and that based on my inquiry of those individuals immedia britted information is true, accurate, and complete. I am aware the	familiar with the information submitted in this and all attached
bmitted information is true, accurate, and complete. I am aware that cluding the possibility of fine and imprisonment.	there are significant penalties for submitting false information
cluding the possibility of fine and imprisonment.	to the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of th
E. SIGNATURE	C. DATE SIGNED
Robert Herzog, President	he likery 02 15 00
PRATOR CERTIFICATION THE MANAGEMENT OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PRO	02-15-90
	A CONTRACT OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF

under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached ments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is torue, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME (print or type)

Ę. SIGNATURE

Paul Fleischman, Vice Pres.

170

C. DATE SIGNED 02-15-90 V. FACILITY DRAWING (see page 4)

Please refer to Section F, Drawing I, in the Part B application

: 1

#### SECTION B

# PART A PERMIT APPLICATION

In addition to the information provided on the U.S. EPA forms 1 and 3, included in this Part A Application are the following items, as referenced shown below:

#### ITEM

Permits which affect the subject of the application

Topographical Map

Scale Drawing of Facility

Photographs

Process Description

#### REFERENCE

See Section L of Part B Application

See Section D-3 of Part B

See Section D-7 of Part B

Attached in this Section

See also Section F-1 of the Part B Application in addition to information on Form 3 of the Part A Application



February 16, 1990

State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Cn#029
Trenton, New Jersey 08625
Attention: Mr. Chan Baldeo

Re: Reassignment of EPA# NJD980536577 due to facility acquisition.

Dear Mr. Baldeo:

The facility located at 1800 Carman Street, Camden, New Jersey, formerly known as Flowen Oil Delaware Valley has been acquired by Resource Managment Technologies, Inc. We have notified the USEPA via the attached EPA form 8700-12 and have requested a reassignment of the above-referenced ID number.

Please advise us as to when the name of Remtech Environmental should begin to appear on the incoming and outgoing manifests.

Very truly yours,

Paul Fleischmann

Vice-President

United States Environmental Protection Agency

United States Environmental Protection Agency
Washington, DC 20460

Please refer to the Instructions for Filling Notification before completing this form. The information requested here is required by law (Section 3010 of the Resource Conservation and Recourse Activity)

Official Use Only	•	- AC	•	nucovery	asourge Aci).	Conserva	ion and
THE RESIDENCE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF T	Sec. 1. 1887.	المراجع والمراجع		1.3-2-3		1. 1.	
	inments						
C							
Installation's EPA ID Number		Da	le Recen	/ed		<u> </u>	
	Approved	_(yr.	mo.	day)			
F T/A C	-						• • •
I. Name of Installation					i		
REMTECHENVIRON			}				
Il Installation Maille A	MEN	TA	1				
Street	or P.O. Box						
1 8 0 d dA RM AN S	7	T	<del> </del>				
	1 1 9 5						
City or Town			**	Sta		ZIP Co	de
ULCON DEN				N	JO	8 1	0 5
III. Location of Installation	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A .9 6					0 3
Street or R	loute Number	,					
5 1 8 0 0 C A R M A N S T	REE	T		TIT			
City or Town	<del></del>						
C A M D E N	<del></del>			Stat	•	ZIP Co	de '
M. Installation Contact				N	JO	8 1	
Installation Contact	Company of the Company	14 4-15		,		_	VIS
Name and Title (last, first, and jo	b tille)			Phone	Numb	er.	
7 FL BI SCH M A A D	1 1 -1		<del></del>	area code	and ne	imb <sub>er)_</sub>	
V Committee of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the	I Vir		6 0	9 3	6 5	5 5	4   4
V. Ownership Manager Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company Company		Vicin 18th		1. 11.		1	
A. Name of Installation's Legal	Owner			В.		Owners	hip
See Attached				-	(ente	code)	i
VI. Type of Regulated Waste Activity (Mark 'X' in the appropr	iale hoves P	2/25 10 /	724777741				
Water Activity	wie wores. Mi						
1a.Generator				uel Activil	105		
<ul> <li>☑ 2. Transporter</li> <li>☑ 3. Treater/Storer/Disposer</li> </ul>	<b>★</b> 6. Off-Sp	,					·
Underground Injection				ng lo Burne	r		1
5. Market or Burn Hazardous Waste Fuel		Other M	orketer				ł
(enter 'X' and mark appropriate boxes below)	☐ C.	Burner	ند شده د				
a. Generator Marketing to Burner	X 7. Specifi Who F	irst Claim	sed Oil Fu Is the Oil I	el Marketer Acets the S	(or On si	le Burner)	ļ
b. Other Marketer				noeis une S	Pecilicati	on	1
C. Burner	-						
VII. Waste Fuel Burning: Type of Combustion Device (enter 'X in which hazardous waste fuel or off-specification used oil fuel is but	'In all annequals	A A					
in which hazardous waste fuel or off-specification used oil fuel is but	rnod. See instri	uctions f	i lo indica Or definiti	le type of c	ombusti	on devic	e(s)
LJ B, Industrial No	ilor (*) c				oustion	devices.)	
VIII. Mode of Transportation (transporters only – enter 'X' in t	( (	HICUS	kial Furna	ace		_	- 1
LT A. Air LT B. Bail LFC. Highway						19 6 33	A
Tist or Subsequent Newson History	LI, D. W		l, J	E. Other (	specily)	,	
in the appropriate box to will be a second	AND STREET				( )	Sel Guerry	$\{ j \}^{k} : j^{k}$
in the appropriate box to irrlicate whether this is your installation; acation. If this is not your first notification, onler your installation's EPA	ursi notification. ID Number in th	.Of hazard O space o	lous waste	activity or	a subse	quent	
[] A #:		- 4444	MOAKIGO C	ekow,	٠.		
B. Subsequent Notification (complete item C)	-,	u -	_   _	nllation's Ef	'A ID Nui	nher	- 1
PA Form 8700 -12 (Rev. 10-88) Previous edition is observe		HIJ I	D by	8 0 5	13/6	5	7 7

			•		
			10	- For Official Use (	Only
					TAC
X. Description of He	zardous Wastes (co	ntinued from front)		Market Esperante	THE STREET STREET
A. Hazardous Westes from nonspecific so	from Nonspecific Sources your installation ha	ces. Enter the lour-deat	Hantes from 40 CER Part	26) 31 for each listed h	azarious waste
1	2	3	4	5	6
	ed for compl	eta I. st			
7		9	10	11	12
B. Hazardous Wastes	from Specific Sources	Enter the four-digit our	mber from 40 CFH Part 26	32 (5-2 5 15-2	
1 1000000000000000000000000000000000000	our installation handles.	Use additional sheets if	necessary.	1.32 for each listed haza	FOOUS Wasie
13	14	15	16	17	18
19	20	21	22	23	24
25					
	26	27	28	29	30
C. Commercial Chemi	cal Product Hazardous	Wester Fotor the four	digit number 40 CFR Part	261 27 10	
1	s which may be hazardo	us waste. Use additions	I sheets if necessary.	201.33 for each chomic	an substance
31	32	33	34	35	36 (
37	38	39	40	41	42
43					
	44	45	46	47	48
D. Listed Infectious W	/astes. Enter the four-ri	Off Original 40 CSD Own	Prit 34 for each fiazuriou		
	h laboratories your insta	llation hundles. Use ack	liternal sheets if necessary.	s wasto from hospitals,	voterinary traspitals.
49	50	51	52	53	54
F. Characteristics at					
wastes your installation	handles. (See 40 CFR	/astes. Mark 'X' in the ti Parts 261,21 - 261,24)	oxes corresponding to me	characteristics of nonlis	sted hazardous
	☐ 1. ignitable ☐ (D001)	2. Corrosive [] (D002)	3. Reactive (*) 4 (0003)	Toxic (D0(Y))	
XI. Certification	CANAL PROPERTY	and the second second	•	TIS PROPERTY PROPERTY	
obtaining the info	nalty of law that I hav documents, and the primation. I believe t	re personally examinate based on my light the submitted	ned and am lamillary nquiry of those indiv information is true, a alse information, ind	Iduals immodiatel	ly responsible for
Signature		Name and Official 1	ille (type or print)	Date Signe	<u> </u>
lae the	in will	_ Paul Flei	ischman, VP		-190
				<del></del>	

Estimated burden: Public reporting hurden for this collection of information is estimated to be 3 hours, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chilef, Information Policy Branch, PM-223, U.S. Environmental Protection Against 401 M.S. S.W. W. Edwards and Chilef, Information Policy Branch, PM-223, U.S.

## ATTACHHENT TO EPA FORM 8700-12

Re: Re-assignment of EPA I.D. No. NJD980536577 due to facility acquisition.

The facility referenced above, located at 1800 Carman St. Camden N.J., 08105, has been acquired by Resource Hanagement Technologies Inc. The purpose of the attached EPA form 8700-12 (notification of Hazardous Waste Activity) is to allow the reassignment of the existing EPA ID No. NJD 980536577 to the new owners of the facility.

Resource Management Technologies Inc. is located at 141 Fifth Ave, New York, N.Y. 10010 and has entered into a management agreement with Remtech Environmental (NJ) LP a limited partnership with its principal place of business at 1800 Carman St. Camden, N.J. to operate the facility. Remtech Environmental Group Inc. is the managing general partner of Remtech Environmental (NJ) LP.

The facility will conduct business under the name Remtech Environmental.

# In Response To Item VA on Form 8700-12

Name of Installations Legal Owner is Resource Hanagement Technologies Inc.

# In Response To Item X on Form 8700-12

Description of Hazardous Wastes

A) Hazardous wastes from non specific sources:

D001	F001	FØ11	X728
D002	F002	FØ12	X 9 Ø Ø
D004	F003	FØ19	
D005	F004	F024	
D006	F005	X721	
D007	F006	X722	
D008	F007	X723	
D009	F008	X724	
DØ10	F003	X725	
DØ11	FØ10	X727	

B) Hazardous wastes from specific sources:

K048		KØ52	ковс
K049	•	K061	KØ87
KØ51	•	Kaga	1.007

125

Paul Fleischmann
Vice President
REMTECH Environmental
Group, Inc.

#### D. FACILITY DESCRIPTION

#### D-1 <u>General Description</u>

REMTECH Environmental operates an oil waste treatment facility at 1800 Carman Street, Camden, NJ 08105. Telephone number (609) 365-5544. See Attachments 1 and 2 for location maps. Construction of the facility began in 1981 and start-up occurred in March, 1982. The modern facility is located on a 1.97-acre site which was vacant land at the time construction began.

Approximately 1/2 (or 0.99 acres) is currently developed. A container storage building and new wastewater treatment system are to be constructed on a portion of the remaining property. Drawing I in Section F shows the facility plot plan. Section D-6 of this application shows the survey of the facility boundaries.

A topographical map is provided in Section D-3. This shows the post-construction topography of the facility, as virtually flat over the entire area currently in use. The plant is located in a commercial/industrial area.

The City of Camden Zoning Map is in Section D-4. The current map version is dated May 24, 1983 and this is exactly the same version that was submitted in the original permit application filed by Flowen Oil Delaware Valley, Inc. on August 22, 1984.

The Facility is located in a Camden City zone "M-R", which is Manufacturing-Residence. The neighbors in the vicinity of the facility include:

A Goodwill Industries distribution facility approximately 150 feet to the west; DiMedio Lime Company, and a scrap yard directly across Carman Street to the north. To the northwest, across Carman Street is a building supply yard. The property immediately adjacent to the plant on the south and east is vacant until reaching a Greyhound Bus Maintenance Center (approximately 600 feet directly south). The abutting property on the east side is vacant.

The nearest residential areas are:

Row homes located approximately 450 feet west of the facility across from the Concord Chemical Company and also a high rise residential building approximately 700 feet east.

The wind rose data is found in Section D-5.

Section D-8 is a map showing vehicle ingress and egress. The two major access roads are Admiral Wilson Boulevard (Route 30) and Federal Street (County Highway 537). Admiral Wilson Boulevard is fed by Highways 130, 38 and 70. The facility can be reached using South 18th Street from Federal (proceed south from Federal).

From Admiral Wilson Boulevard, the plant is reached by taking 17th Street north to Carman and traveling one block east on Carman Street.

The main roads of egress and inquiss have not changed since the original permit application submitted in 1984 and identified as Exhibit 18 at that time.

In the six years of interim status operations at the facility, no specific traffic problems have arisen. The traffic volume to and from the facility is low compared to the normal commercial and industrial traffic on these routes.

All roads identified for ingress and egress are maintained by the State, County or City and are all of either concrete or asphalt construction capable of bearing fully loaded truck weights.

The facility is constructed outside of the 100-year flood plain elevation of the Delaware and Cooper Rivers. Federal Insurance Administration Map, Community Panel No. 340128 0003B, effective December 1, 1981, is Section D-9 of this application. Although the flood map shows a small portion of the southwest corner of the property to be in Zone A5 (100 year Flood Plain), the elevation of Zone A5 is 10 feet and the pre-development topography of the site lies entirely above elevation 10.0 (see Section D-6, Facilities Boundary Survey). Furthermore, the final elevation of the facility as constructed has been elevated above this to an elevation in excess of 12 feet (See Section D-3, The Topographical Map). Therefore, the facility is located in Zone B which is a zone between the 100 year and 500 year Topographical Map). flood boundary. (See also the Professional Engineer Certification with the Map in Section D.9.)

The Cooper River, a tributary to the Delaware River, is located approximately one-quarter mile west of the plant. The facility, over the entire developed area, is covered by a concrete pad and is surrounded by a containment curb. All water leaving the facility, either storm, or process which will have passed through the facility's water pre-treatment plant, passes to the City of Camden sewer system and thence to the Camden County Municipal Utilities Authority treatment plant located in the City of Camden. No water is discharged to either ground or surface waters.

10220106

## D-1 General Description (Continued)

199-1964

The facility currently has an office building, a laboratory building, a process building, a boiler house and two contained tank farm areas. See attachments 3 and 4 for simplified plot plan and sketch of facility layout.

#### SECTION D-2

## OPERATIONS DESCRIPTION

The facility is designed to accept, store and treat waste materials containing oil, water and sediment. Both physical and chemical means are employed to separate the waste materials into their component parts and to dispose of them as follows:

- 1. Product oil is shipped off site to be incinerated as a hazardous waste or used as a fuel supplement in a properly authorized facility or used as fuel in the industrial process heating applications. The final destination of the product oil is dependent upon physical and chemical analysis and is addressed in the Waste Analysis Plan.
- Sediment sludges are accumulated in drums or bulk containers and disposed of appropriately, dependent upon physical and chemical analysis, also addressed in the Waste Analysis Plan.
- 3. Waste Water is treated in the facility's waste water treatment plant and sent via the City of Camden sewer system to the Camden County Municipal Utilities Authority sewage treatment plant in the City of Camden.

The facility consists of the following components:

- A laboratory which carries out physical and chemical analyses of both incoming and outgoing waste materials.
- A new waste receiving area which provides secondary containment for three trucks and includes bar screens and waste feed pumps. The receiving area also physically contains the oil/water separation system.
- 3. An incoming waste storage area consisting of seventeen (17) 15,000 gallon, above-ground, carbon steel storage tanks.
- 4. A new container storage building to provide segragated storage for 27,500 gallons of containerized wastes and two roll-offs of site-generated wastes.
- filters, centrifuges, oil/water separators and a waste water treatment plant. These are also at various points in the treatment processes, points at which various chemicals may be added to effect more efficient separation of the various components in the waste stream. Typically, these additives are for pH adjustment and demulsification.

- 6. A product oil and waste storage area consisting of eight (8) 25,000 gallon above-ground, carbon steel storage tanks, with a maximum of four (4) tanks used at any one time for waste storage.
- 7. A steam raising boiler, fired on natural gas or #2 oil, which is used to heat the waste material at various stages. The operational portion of the facility is constructed on a concrete pad, curbed and graded to prevent accidental spills from leaving the facility. All storm water leaving the facility passes through underground concrete oil/water interceptors and thence to the City of Camden common storm/sanitary sewer system. Pre-treated waste water passes directly into the facility sewer system prior to passing into the City sewer system. An emergency cutt-off sensor and valve will not permit oil contaminated water to leave the facility.

Each of the two storage tank areas are constructed on concrete pads and surrounded by a concrete dike. This construction retains any accidental tank spills within the dike area, from where they must be pumped out using either mobile pumps or the facility's pumping equipment. The container storage building and process building are constructed with independent containment trenches which are not connected to any drains and must be pumped out. The new receiving area and oil/water separator system are also completely contained independent of the rest of the facility.

The operational sequence of the facility is as follows:

#### Bulk Liquid Materials

- A) Tank-Trucks of incoming waste material are placed on a level portion of the facility and gauged by dip-stick and calibration chart.
- B) A representative sample of the waste material is drawn from this tanker and delivered to the laboratory. (Described in the Waste Analysis Plan)
- C) Various chemical and physical analyses are carried out to ensure that:
  - i) The facility can legally accept the waste material.
  - materials of construction of the facility and other wastes stored at the facility.

#### SECTION D-2 (Continued)

- iii) The facility has the capability of successfully treating the waste material.
- D) At this point, a storage tank is designated for the incoming waste material in order that similar materials are stored together.
- E) Tank-trucks are unloaded at the facility's waste receiving area and depending on composition will either:
  - i) If the material contains significant aqueous and oil portions, it will be off-loaded through the 500 gpm oil/water separator.

The pre-separated components (oil, water and sludge) will then be pumped to appropriate storage tanks.

- ii) If the incoming material has minimal aqueous or minimal oil content, it may be off-loaded through a pre-filter and then directly to a designated storage tank.
- iii) Incoming material without high sediment content may be pumped directly into a designated storage tank.
- F) When a batch of similar, compatible material is accumulated in a storage tank, it will be treated according to the requirements of the material as follows:
  - i) Aqueous material will be passed to the waste water treatment system, where oil is separated from the water. The oil phase will be removed from this system and treated in other portions of the facility.
  - ii) Oily wastes will be heated and then passed to the appropriate series of treatment processes which will include some or all of the following:
    - a) Sludge Removal by Centrifuge The sludges are then placed in drums or bulk storage prior to final disposal.
    - b) Oil/Water Separation by Chemical Means The material is chemically treated, to allow separation into the component parts of the material.
    - c) Filtration To remove particulate material.

- d) Oil/Water Separation by Centrifuge After treatment, if necessary under b) above.
- G) Finally, accumulated batches of separated sludges and oil material are analyzed, either in the facility laboratory and/or by outside certified laboratories, prior to selecting the final classification as either finish used oil product or waste material for disposal. Waste water leaving the facility is sampled on a regular basis and analyzed for compliance with the facility waste water discharge permits.

#### Containerized Materials

- H) Incoming loads of containerized material will be delivered directly to the container storage building.
- I) Drums are offloaded and representative samples of the material are drawn and delivered to the laboratory. (Described in the Waste Analysis Plan.)
- J) Chemical and Physical analyses are carried out to ensure that:
  - i) The facility can legally accept the waste material for storage.
  - ii) The waste is properly classified for segregated storage with other compatible wastes.
- K) At this point, the material may be placed into storage.
- L) Wastes which are approved only for storage are accumulated until full loads of similar materials can be shipped to an appropriate treatment, storage, or disposal facility.
- M) Stored wastes which can legally be accepted into the treatment system are bulked using a vacuum tank truck. This material is then transported to the facility receiving area where it is treated the same as any other incoming load. Steps A through G above, including all required sampling and analysis are carried out prior to unloading.

### RT Environmental Services, Inc.

February 13, 1990

Mr. Jan Gheen State of New Jersey Bureau of Water Allocation CN 029 Trenton, NJ 08625

> Computer Well Search Re: Remtech Environmental Group 1800 Carmen Street, Camden NJ

Dear Mr. Gheen:

In order to gather data necessary to complete the Part B Hazardous Waste Permit Application for the Remtech facility, we are requesting a computer well search be conducted.

The facility is located at:

39 degrees 57 minutes 16 seconds lattitute 75 degrees 05 minutes 58 seconds longitude

We request that the search be conducted within a 1/4 mile radius of the facility and that well records be provided in addition to the computer location output. A check (# 2954) for the sum of Fifty-Five dollars (\$55.00), payable to Treasurer, State of New Jersey, is enclosed for these services.

Should there be any questions or additional information required, please do not hesitate to contact me. Thank you in advance for your expeditious response.

Very truly yours,

RT ENVIRONMENTAL SERVICES, INC.

William Silverstein

Willia Silverten

Project Manager

WS/ag

Enclosure

Mr. Paul Fleischmann

Mr. Jim Semple

Mr. Gary Brown

485 S. Henderson Road • King of Prussia, PA 19406 • (215) 265-1510 • Fax: (215) 265-0687

#### FLOOD CERTIFICATION

to certify that the Remtech Camden Facility constructed above the 100 year flood plain, based on a Plan of Survey by Thomas A. M. Fisher, NJ P.E. + L.S. Licence #7113 and Alfred E. Sampson, NJ L.S. License #12354, dated September 18, 1980.

Gary R. Brown, P.E. NJ License #25432.

6404

### TABLE OF CONTENTS

PARAGRAPH NO.	TITLE
CP-1	Purpose of Plan
CP-2	Facility Description a) Closure Circumstances b) Non-Operational "Unclosed" Status
CP-4	Waste Storage Areas
CP-5	Calculation of Waste Inventories
CP-6	Facility Close Down
CP-7	Personnel Réquirements
CP-8	Equipment Requirements
CP-9	Amendments to the Closure Plan
CP-10	Reporting Procedures
CP-11	Closure Certification
CP-12	Closure Cost Estimate

#### ATTACHMENTS

1.	Facility Plot Plan (See Section F, Drawing I)
2.	Tank System (See Section F, Drawing AA)
3.	Sampling Methodologies (See Section E, Exhibit F)
4.	Sample Preservation and Chain of Custody (See Section E, Exhibit E)
5.	Closure Certificate

6. Estimate for Cleaning and Decontamination

#### CP-1 PURPOSE OF PLAN

The purpose of this plan is to comply with New Jersey Hazardous Waste Regulations; specifically NJAC 7:26 - 9.8 et. seq. It is also to ensure that following the closure of the facility, no long or short term risks will exist which may cause harm or damage to:

- a) future facility operators or their staff
- b) local residents and business
- c) groundwater or soil
- d) air quality

The facility closure plan is designed, in an orderly and methodical manner, to ensure that compliance with N.J.A.C. 7:26-9.8 et seq. is achieved, and to eliminate any risks as described above.

The plan has throughout a number of points at which its progress can be monitored and a reporting procedure which will control the closure schedule.

An amendment procedure is included in the plan, which is designed to accommodate any facility changes in capacity or treatment capabilities. This eventually will require an update in the plan to account for these changes.

Included in the plan is a certification procedure will be carried out by an independent registered professional engineer. After ensuring that closure has been carried out in accordance with the plan, the engineer will certify to this fact.

#### CP-2 FACILITY DESCRIPTION

The hazardous waste storage and treatment facility at all times referred to in this plan is operated by:

LOCATION:

Remtech Environmental Group 1800 Carman Street Camden, New Jersey 08105

TELEPHONE NO.:

(609) 365-5544

FACILITY CONTACT:

James Semple, General Manager

The facility is engaged in the evaluation, storage, treatment and final disposal of oil/water waste and used oil waste streams for a wide variety of generators both in and out of state. The stages of this process may be categorized as follows:

#### CP-3a CLOSURE CIRCUMSTANCES

The life of the treatment facility is indefinite. Only short-term storage of wastes and treatment by-products occurs at the facility before final disposal elsewhere. Subject only, therefore, to normal life expectancy of equipment and structures, the plant may be operationally effective for an unspecified time period.

Plant closure is, therefore, likely to occur under one of the following circumstances:

- o Sale of the facility and operation for purposes other than the treatment of hazardous wastes.
- o Demolition of the facility, and use of the land for other purposes.
- o Financial inability of the owners to continue operations pending the sale of the facility for purposes other than hazardous waste treatment.

Under any of the above circumstances, the closure operations will remain identical.

#### CP-3b NON-OPERATIONAL "UNCLOSED" STATUS

Under certain circumstances, the facility may cease operations temporarily. This "unclosed" status may occur under the following circumstances:

- o Market conditions dictate that the operation is temporarily financially inviable.
- o Temporary closure pending sale of the facility to another operator who will use the facility for hazardous waste treatment.
- o Financial inability of the owners to continue operations pending the sale of facility for use as a hazardous treatment facility.

Under any of the above circumstances, the facility would not follow the closure procedures detailed in this plan, but would be placed on a care and maintenance basis.

This would involve the following:

- o No wastes would be received at the facility.
- o No operations would be carried out at the facility.
- o Compliance with legal requirements would be ensured by remaining staff in the areas of insurance, security,

housekeeping and any other reasonable requirements of the New Jersey Department of Environmental Protection.

#### CP-4 WASTE STORAGE AREAS

In order to estimate the volume of disposal required, we have identified five waste storage areas. Each of these five areas is described below (4a through 4e).

- 4a) <u>BULK STORAGE AREA</u> (See Drawing AA in Section F of Part B Application)
  - i) Six 15,000 gallon tanks (Tank #'s 1-6) may be filled with oil wastes (NJ X-codes, non-RCRA hazardous). These tanks may also contain amounts of accumulated sludges.
  - ii) Nine 15,000 gallon tanks (C1, C2, C3, 7, -12) may be filled with waste water.
  - iii) Two 15,000 gallon tanks (A and B) may be filled with accumulated centrifuge sludge (pumpable).
  - iv) Four 25,000 gallon tanks (P1, P2, P3, P4) may contain oil wastes and accumulated sludges (NJ X-codes).
- 4b) <u>CONTAINER STORAGE AREA</u> (See Drawing O in Section F of Part B)

The container storage area will have a maximum permitted capacity of 27,500 gallons (approximately 500 drums). In order to arrive at an estimated disposal cost we have made the following assumptions with regard to the types of wastes stored in the container storage area.

- i) Approximately 50 drums will contain waste oil, (2750 gallons).
- ii) Approximately 150 drums will contain non-hazardous oil contaminated solids, (8250 gallons = 41 cu. yds.)
- iii) Approximately 150 drums will contain RCRA hazardous liquids.
- iv) Approximately 150 drums will contain RCRA hazardous solids.
- 4c) PROCESS PLANT (See Drawing H, in Section F of Part B Application)

The treatment plant break boxes, water recirculation system and associated pumps and pipework may contain small amounts of waste materials.

#### 4d) <u>LABORATORY</u>

The laboratory may contain samples of waste which have been accumulated for analytical purposes.

#### 4e) SATTELITE ACCUMULATION OF SOLIDS

Sludges and solids are accumulated in drums, roll-off containers and/or self dumping hoppers, before final disposal. The maximum anticipated volume in sattelite accumulation points is estimated at 40 cubic yards.

A sumary of waste types accumulated in each area is shown in the Table 1 (immediately following this page).

### CP-5 CALCULATION OF WASTE INVENTORIES

The following calculations have been based on the maximum volume of wastes stored in each of the waste storage areas described in section CP-4. Each waste area is listed separately and the volume of each type of waste in each area has been estimated.

In addition, it is anticipated that waste water will be generated as a result of tank cleaning and line flushing and sand blasting grit may be generated as a result of cleaning the various concrete containment areas.

#### 5a) BULK STORAGE AREA

#### i) <u>Waste Oil</u>

6 tanks x 15,000 gals.

= 90,000 gals.

12 12 12

4 tanks x 25,000 gals.

= 100,000 gals.

Waste Oil Subtotal

= 190,000 gals.

#### ii) <u>Pumpable Sludges</u>

Because of the position of the bottom draw-off point in waste storage tanks, and from experience, it is known that each 15,000 gallon storage tank will contain approximately 300 gallons of sludges. Each 25,000 gallon tank will contain approximately 500 gallons.

SUMMARY OF WASTE TYPES

TABLE 1

	Waste Oil	Pumpable Sludges	Waste Water	Non Hazardous Solids	Drummed RCRA Hazardous Liquid	Drummed RCRA Hazardous Solid
a) Bulk Storage Area	X	X	X	,		
b) Container Storage Area	x			X	X	x
c) Process Plant	x		x			
d) Laboratory	x					
e) Satellite Accumulation of Solids				<b>X</b>		

6 tanks x 300 gals. (#1-6)

= 1,800 gals.

4 tanks x 500 gals. (#P1-P9) = 2,000 gals.

2 tanks x 15000 gals. (#A and B) = 30,000 gals.

Pumpable Sludges Subtotal

33,800 gals.

#### iii) <u>Waste Water</u>

9 tanks x 15,000 gals. (C1-C3 + 7-12)

= 135,000 gals.

#### 5b) CONTAINER STORAGE AREA

Maximum storage capacity is 27,500 gallons or approximately 500 drums.

#### i) Waste Oil

50 drums x 55 gals.

= 2,750 gal.

#### ii) Non-Hazardous Solids

150 drums x .27 cu. yds./drum = 41 cu. yds.

iii) Drummed Hazardous Liquids

= 150 drums

iv) Drummed Hazardous Solids

= 150 drums

#### 5c) PROCESS PLANT

#### i) Waste Oil

Small amounts will exist in lines and breaktanks, estimated at approximately 1,000 gals.

#### ii) Waste Water

The plant water circulation system and storage tank will contain approximately 4,000 gals.

#### 5d) <u>LABORATORY</u>

The laboratory will contain samples of incoming waste, and product oil. Disposal of this material takes place on a monthly basis, therefore, no more than months samples would exist at one time. material may be removed with removable oil. The number 1 pint samples is related directly to the number of shipments received, and shipped out. At an assumed production rate of 25 million gallons per annum, the calculation of number of the samples is shown below.

Average shipment size of incoming waste is 5,000 gallons, and the outgoing shipments are made in 7,000 gallon loads.

Annual incoming shipments of waste

$$=\frac{25,000,000 \text{ gals.}}{5,000 \text{ gals.}}$$

= 5,000 shipments

Therefore shipments made in 3 months (per quarter)

$$\frac{5,000}{4}$$

= 1250

Assume an average of 35% removal of water/sludge from incoming waste material, therefore, product available for outgoing shipment is:

 $25,000,000 \times 0.65 = 16,250,000 \text{ gals.}$ 

In 7,000 gal. shipments, number of shipments in three months is:

$$\frac{16,250,000}{7,000 \times 4}$$

580

Maximum sample volume existing at any one time:

 $(1250 + 580) \times 1 pint$ 

= 1830 pints

i) Waste Oils

total estimated volume

= 230 qals.

#### 5e) SATELLITE ACCUMULATION

i) Non-Hazardous Solids

maximum estimated volume

= 40 cu. yds.

#### 5f) RINSE WATERS

Rinse water used for the cleaning and flushing operations described in paragraph CP-6 will require disposal through a waste water treatment facility. The total amount of this material is estimated as follows:

Rinse waters from process house	
(see CP6-5)	= 2,000 gals.
17 x 15,000 gals. waste storage	_
tanks @ 1,500 gals. each	= 25,500 gals.
4 x 25,000 gals. waste storage tanks	
@ 2,500 gals. each	= 10,000 gals.
5 underground oil/water interceptors	
@ 100 gals.	= 500 gals.
•	gazb.
325 ft. of trenches - total	= 100 gals.
TOTAL	
	= 38,100 gals.

The total volume of each waste type is summarized in Table 2.

#### CP-6 FACILITY CLOSE-DOWN

At least 180 days before the date of planned closedown, Remtech shall notify N.J.D.E.P. of the proposed date on which close-down operations will commence.

The close-down operations will be carried out in staged "milestones", and the supervisor of operations, to be designated, will ensure that each stage is carried out according to plan.

The supervisor of operations will be a New Jersey registered Professional Engineer who will be required to certify that each operational "milestone" has been reached, within the time period specified, and that each stage of the operation has been carried out efficiently and to standards commensurate with such a cleanup operation as this.

After removal of all bulk materials, the clean-up portion of the operation will be completed, followed by inspection, sampling and analyses to carried out by New Jersey Certified Laboratory, to ensure that the clean-up is complete.

The stages of close-down will be as follows:

#### STAGE 1

The acceptance of wastes at the treatment facility will be stopped. If conditions permit (i.e. staff still remain on payroll, regulatory requirements are being met) all wastes in inventory will be treated to reduce the potential liability for costs incurred in the later stages of the Closure Plan.

100

SUMMARY OF WASTE VOLUME

TABLE 2

	Waste Oil gallons)	Pumpable Sludges (gallons)	Waste Water (gallons)	Non Hazardous Solids (cu. yds.)	Drummed Hazardous Liquid	Drummed Hazardous Solid
a) Bulk Storage Area	190,000	33,800	135,000			
b) Container Storage Area	2,750			41	150	150
c) Process Plant	1,000		4,000			
d) Laboratory	230					
e) Satellite Accumulation				40		4
f) Rinse Waters			38,100			
g) Sand Blasting Grit				4		
TOTALS	193,980	33,800	177,100	85	150	150

Waste Oil = 193,980 gallons
Pumpable Sludges = 33,800 gallons
Waste Water = 177,100 gallons
Non-Hazardous Solids = 85 cubic yards

#### STAGE 2 TIME 5 WORKING DAYS

Remove all bulk product from storage.

- a) Waste oil will be sent to other appropriate, fully permitted TSDF for reclamation or treatment. (Tank #'s 1-6, P1-P4)
- b) Waste water will be sent to a water treatment facility. (Tank #'s C1, C2, C3, 7-12)
- c) Product oil will be delivered to users, or sent to other processors for distribution (Tanks #'s P5-P8)
- d) Bulk sludge will be transported to a secure landfill for disposal.

This stage will involve removal of all liquids laboratory samples. The samples will be consolidated with bulk waste oil.

#### STAGE 3 TIME 6 WORKING DAYS

- a) Removal of residual sludges from waste oil storage tanks; and place in tank B prior to disposal (Tank # 1-6 and P1-P4).
- b) High pressure hot water wash down each waste storage to remove residual oil and sludge.
- c) Remove wash waters to water treatment plant for processing and final disposal.

#### STAGE 4 TIME 1 DAY

25 16 4

- a) Remove residual sludges (if any) from waste water tanks (#'s C1, C2, C3, 7-12) and place in tank B prior to disposal.
- b) High pressure hot-water wash down each of the above tanks to remove residual oil and sludge.
- c) Remove wash waters to water treatment plant for processing and final disposal.

#### STAGE 5 TIME 1 DAY

To decontaminate plant pipe-work and remove residual oil and sludges:

a) Set-up 1,000 gallons of water and detergent in preproduction tank A. ١,

- b) Run this material through the process plant and recycle from product oil tanks back to tank A.
- c) Through monitoring of oil content, recirculate this mixture until the oil content stops rising.
- d) Place 1,000 gallons of clean water in the tank B and recirculate this material as in sub-paragraph (b) above at least three times.
- e) Analyze the cleaning material in tank B. If the water contains more than 1% oil, repeat the process described in paragraph (d) above until the oil content is below 1%.
- f) Remove wash waters from tanks A and B to a water treatment facility for processing and final disposal.

#### STAGE 6 TIME 4 DAYS

This stage involves cleaning and decontamination of the plant drain and underground oil/water separators.

- a) Remove bulk sludges from all trench drains and place in tank roll off containers for disposal.
- b) High pressure hot-water wash down all trench drains and allow residue to flow into the underground oil/water separators.
- c) Remove bulk water/oil from the underground oil/water separators and remove to a water treatment facility for processing and final disposal.
- d) Remove pumpable sludges from underground oil/water separators and place in tank #B prior to disposal.
- e) High pressure hot-water wash down each of the five underground oil/water separators.
- f) Remove the wash water from the separators to a waste water treatment facility for treatment and final disposal.

#### STAGE 7 1 DAY

- a) Remove sludges previously placed in tank B in Stages | 3A), 4a), 6a). Transport to a secure landfill for final disposal.
- b) Hot-water high-pressure wash down tank B and remove wash waters to a water treatment facility for treatment and final disposal.

#### STAGE 8 TIME ONE MONTH

This stage involves quality assurance that clean-up operations have been carried out successfully and that no residual contamination exists.

Should visual inspection of the tank dike areas (secondary containment), container storage area, and the process house reveal oil stains after the high pressure water wash, a sandblasting contractor will be retained to remove these stains. An estimated 4 cubic yards of used sandblasting grit has been included in the waste disposal cost estimate. Each of the sections involved in the cleanup will be examined, samples will be taken for analyses. A New Jersey Certified Laboratory will be contracted to carry out the required procedures.

- a) Each of the sections involved in the clean-up will be examined visually for any residual oil or sludge remaining. Any residue will be removed.
- b) Wipe samples will be taken from each of the tanks, trenches and separators involved in the clean-up (See Attachment 3).
- c) Using correct Sample Preservation and Chain of Custody techniques, the samples will be transported to the New Jersey Certified Laboratory, where the required analytical work will be carried out. (See Attachment 4).
- d) Analytical procedures as follows will be carried out on each of the samples:

PCB's
REACTIVITY
CORROSIVELY
FLASH-POINT

TOTAL PETROLEUM HYDROCARBONS EP TOXICITY (METALS) BASE, NEUTRAL, ACID EXTRACTABLES

Should any of the analysis show that total cleanup has not occurred in any of the areas, further work and analyses will be carried out until all residual hazardous materials have been removed.

١,

TABLE 3	CLOSURE TIME PERIODS	•
STAGE 1	Cease acceptance of wastes	Immediate
STAGE 2	Remove bulk product from storage	5 working days
STAGE 3	Cleaning of waste storage tanks	6 working days
STAGE 4	Cleaning of waste water tanks	1 working day
STAGE 5	Decontaminate plant	1 working days
STAGE 6	Decontaminate plant and oil/ water separators	4 working days
STAGE 7	Remove bulk material and clean tank #2	1 working day
STAGE 8	Quality control, analyses and sandblasting (if required)	28 working days
TOTAL		46 working days

#### CP-7 PERSONNEL REQUIREMENTS

In order to ensure that the closure operation is successfully concluded, it is necessary to ensure that sufficient personnel are available to carry out the required procedures.

1) A licensed Professional Engineer who will act as supervisor of the closure procedures, will be contracted to ensure that each stage detailed above in paragraph CP-6 is efficiently completed. He will be required to be on site during stages 2 through 7, and also during the sampling required during stage 8.

Finally he will be required to review the sample analyses in order then to be able to certify that the closure has been carried out successfully.

- 2) A contractor will be employed to carry out the clean-up involved in stages 2 through 8. The contractor will provide a team of people experienced in clean-up operations.
- 3) Stage 5 will involve the temporary hiring of one person experienced in the operation of the Camden plant. This person will be required to operate the plant for up to one working day to carry out the flushing operation.

- 4) Stage 8 will involve laboratory personnel experienced in sampling, chain of custody, and EPA approved analytical methodologies. Should the removal of visible oil stains be required a sandblasting contractor will be utilized during this stage.
- Transportation personnel will be required for the removal of all materials from the facility. The only personnel who will be hired directly will be a licensed Professional Enginner, and an experienced Plant Operator. All other personnel will be provided by Contractors involved in the clean-up, in sampling and analyses, or in transportation.

#### CP-8 EQUIPMENT REQUIREMENTS

All equipment requirements will be provided by the Contractors involved in the closure operations.

- a) Transport facilities will be provided by contractors involved in the closure operations.
- b) The clean-up contractor will provide necessary equipment in the form of high-pressure wash equipment and vacuum tanker trucks, and sandblasting equipment if necessary.
- c) The New Jersey Certified Laboratory employed to carry out sampling and analytical work will provide all necessary sampling equipment and provide laboratory facilities for analytical procedures as necessary.

#### CP-9 AMENDMENTS TO CLOSURE PLAN

Circumstances may occur which will require amendments to this Closure Plan. If in the future any design changes in treatment activities, or changes in storage capacity occur, this plan will be amended to take account of these changes. The revised plan will be submitted to NJDEP for approval within 60 days of any changes taking place.

#### CP-10 REPORTING PROCEDURES

The closure supervising Engineer (See Paragraph CP-7) will report any time delays in the implementation of the plan to NJDEP. He will keep a daily log of facility activities during the active portion (Stages 1 through 7 and the sampling requirements of Stage 8) of the Closure Operation. He will submit a copy of this log to NJDEP with the facility closure Certificate (See Paragraph CP-11).

#### CP-11 CLOSURE CERTIFICATION

After Closure has been completed, the Closure Supervising Engineer, and the owner or his representative (who must be at least Vice-President status) will complete, sign and seal the Closure Certificate shown as Attachment #7. This will attest to the fact that the closure has been completed according to this plan, and that no residual hazardous waste remain in the facility.

Attached to this Certificate will be:

- a) A copy of supervising engineer's daily log.
- b) A copy of the analytical results as detailed in paragraph CP-6, Stage 8.

These documents will be submitted to NJDEP within 30 days of completion of the Closure Plan

#### CP-12 CLOSURE COST ESTIMATES

The following represents current costs of carrying out the work detailed in this plan. The estimated costs are divided into categories, they are:

- a) Disposal and Transportation Costs
- b) Contractors Costs
- c) Sampling and Analysis Costs

A)	DISPOSAL AND TRANSPORTATION COSTS		
1)	Transportation and disposal of 193,980 gallons of non-hazardous waste oil @ \$.18 per gallon	= \$ 34,916.00	1
2)	Transportation and disposal of 33,800 gallons of pumpable sludges @ \$1.00 per gallon	= \$ 33,800.00	
3)	Transportation and disposal of 177,100 gallons of waste water @ \$.18 per gallon	= \$ 31,878.00	
4)	Transportation and disposal of 85 cubic yards of non-hazardous solids and sandblasting grit @ \$220.00 per cubic yard	= \$ 18,700.00	
5)	Transportation and disposal of 150 drums of RCRA hazardous liquids estimated @ \$175.00 per drum	= \$ 26,250.00	
6)	Transportation and disposal of 150 drumf of RCRA hazardous solids estimated @ \$425.00 per drum	= <u>\$ 63,750.00</u>	
	Transportation and Disposal Sub-Total	= \$209,294.00	
В.	CONTRACTOR COSTS		1
i)	Costs of contractors to carry out cleaning and decontamination work (per Attachment 6). An additional \$3,000.00 has been included to account for the possibility of hiring a sandblasting contractor (6 days @ \$500/day) as per CP-7 item 4. (1987)	e de se a deservación de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la constante de la co	10 m m
	Costs + 15%)	= \$ 33,360.00	
ii)	Cost of supervision by New Jersey Licensed Professional Engineer - 16 days @ \$350.00/day.	= \$ 5,600.00	
iii)	Costs of process operator for 18 days (Stage 1-7) to operate Remtech Plant during clean out and decontamination procedures. Per New Jersey Department of Labor Prevailing Wage Rate - \$14.75/hr. + \$3.00/hr. hazardous waste premium + 30% wage overhead.	= <u>\$ 3,330.00</u>	,
	Contractor Sub-Total	= \$42,290.00	

\$604,403.00

		. 📶
C.	SAMPLING AND ANALYSIS COSTS	
	Costs of employing New Jersey Certified laboratory to:	
i)	Visually inspect all tanks, trenches, separators and plant for cleanliness.	
ii)	Wipe test all areas as specified in Attachment #3.	
iii)	Sample tank trucks of waste oil, sludges waste water and rinse water prior to their leaving the facility.	
iv)	Transport samples to lab for analyses.	
v)	Carry out analytical procedures as specified in accordance with EPA SW846 or equivalent.	
vi)	Provide a report on all of the above.	= \$ 11,200.00
Ε.	SUMMARY OF COSTS	
	TRANSPORTATION AND DISPOSAL COSTS	\$209,294.00
	CONTRACTOR COSTS	\$ 42,290.00
	SAMPLING AND ANALYSIS COSTS	\$ 11,200.00
	TOTAL COSTS	\$262,784.00
	CONTINGENCY COST (20%)	\$ 52,557.00
	ADMINISTRATIVE COSTS (10%)	<u>\$ 26,278.00</u>

TOTAL ESTIMATED CLOSURE COSTS

#### Remtech Environmental (NJ) LP 1800 Carman Street Camden, NJ 08105 Telephone: (609) 365-5544

This document certifies that the Remtech Environmental Closure Plan dated April 1989 has been completed according to the terms of the plan.

Signed:	Date:	·
Seal:		
For Remtech Environmental (NJ) LP.,		
Signed:	Date:	· · · · · · · · · · · · · · · · · · ·
Position:	·	
Attachments:	e to produce and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of	and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t
Supervising Engineers Daily Log Analytical Results		

153





# OF ENVIRONMENTAL PROTECTION

# BUHEÁU OF ENGINÉERING & TECHNOLOGY

# APPLICATION TO AMEND (TRANSFER OF OWNERSHIP) PERMIT(S) TO CONSTRUCT, INSTALL OR ALTER CUNTHOL APPARATUS OR EQUIPMENT

CERTIFICATE(S) TO OPERATE CONTROL APPARATUS OR EQUIPMENT

RETURN 10: NJUEP, Bureau of Engineering & Technology New Source Review Section

FOR ASSISTANCE CALL:

FOR DEP OFFICE USE ONLY

FEE LILLIGE

CN 027, Trenton, NJ 08628	(609) 292·6716
SECTION A - To be completed by new owner	
1. Full Business Name REMTECH Environmental (NJ)	LP
2. Mailing Address 1800 Carman Street, Camden, N	èw Jersey 08105
3. Division and/or Plant Name Camden Plant	
4. Plant Location 1800 Carman Street, Camden,	New Jersey 08105
5. County Camden 8. Nature of Business	Waste Oll /Waster Trees
(600 365 5544)	8. NJ Plant ID # 50024
1 (009-303-3344)	B. 143 FIBRY (U # 20024
Jate Transfer of Ownership Occurred November 29, 1	789
10 Permit/Certificate Numbers to be Transferred See Attac	ched List (23 Certificates)
The husiness I represent occepts the rights and responsibilities of the	e data in supplements, is to the best of my knowledge true and correct.  aforementioned permits/certificates.
Signature of Authorized Officer	12-51-69
	12-21-89
Faul Fleischmann Neme (print or type)	Vice President
	fitla
SECTION B - To be completed by the selling business	·
As an authorized officer of the salling business I salars the	
As an authorized officer of the selling business, I release the ownership Flowers Oils Delaware Valley, Inc.	ip of the aforementioned permits and cartificates.
Full Business Name	•
Signature of Authorized Officer	2cin 12-13-89
James N. Turpin	' Vice Propident/Ferry
Name (print or type)	Vice President/Secretary

LOG NO.L..I-L

#### KENNETH L. WOODRUFF **RESOURCE RECOVERY CONSULTANT** 182 WALTON DRIVE, P.O. BOX 42, MORRISVILLE, PA 19067 215-736-2194

December 27, 1989

Mr. James Semple Remtech Environmental 1800 Carman Street Camden, NJ 08105

Re: Air Pollution Control Permit Applications

Dear Jim:

Enclosed please find seven (7) NJ DEP Air Pollution Control Application Forms for the following units:

Diesel Fuel Storage Tank

₹. Unloading Box

-3. Oil/Water Separator

- Pilot Plant Feed Tanks (2 units) Pilot Plant Oil/Water Separator --5.

Pilot Plant DAF Unit.

Please sign and date each application form on the first page. the forms to me as soon as possible along with a check in the amount of \$1750 made payable to the New Jersey Department of Environmental Protection. Upon receipt I will attach the necessary drawings/ sketches and literature and will hand deliver the application package.

Once you sign the forms, please keep a copy for your files and to show the NJ DEP Hazardous Waste Facility Inspector.

The change of name/ownership form was filed on December 26, 1989.

Please call with any questions you may have.

Very truly yours,

Kenneth L. Woodruff

S. Z. Clarke

KLW/ktw

Enclosures

Enclosed are the two (2) facility drawings which I borrowed at our recent meeting.

# REMTECH

# Fermit/Certificate Numbers To Be Transferred (23)

09	012	79	/
----	-----	----	---

073712

076278 🗸

076163

076164

049866

049865

049878

049877~

049876

049875

049874-

049873

049872/

049863 V

049862 -

049861 1

04986UV

U498671

049869

049868

049870 /

049871

0498643

#### OF ENVIRONMENTAL PROTECTION



#### DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PERMIT PROGRAM BUREAU OF NEW SOURCE REVIEW CN 027

JAN 22 RETU

TRENTON, NEW JERSEY 08625

Date: 1/10/90

REMTECH ENVIRONMENTAL (NJ)LP JAMES SEMPLE 1800 CARMAN STREET CAMDEN , NJ, 08105-0000

Plant Location:

CAMDEN

County: CAMDEN

Applicant's Designation of Stack: PRIMARY OIL/WATER SEPARTOR

Application Log #: 01900149 Date Received: 1/ 8/90

This is to acknowledge the receipt of an application for a Permit to Construct, Install, or Alter Control Apparatus or Equipment and Certificate to Operate Control Apparatus or Equipment as referenced above.

The application was received and was assigned the Application log number referenced above.

Information regarding the status of the application can be received by calling GO9-292-G71G and referring to the Application Log Number.

Chlo

C: BNSR File

Regional Office

# This Page is Intentionally Blank



# DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PERMIT PROGRAM BUREAU OF NEW SOURCE REVIEW CN 027 TRENTON, NEW JERSEY 08625

Date: 1/18/90

REMTECH ENVIRONMENTAL (NJ)LP
JAMES SEMPLE
1800 CARMAN STREET
CAMDEN , NJ, 08105-0000

Plant Location: CAMDEN CAMDEN

Applicant's Designation of Stack: PRETREATMENT SYSTEM OIL/WATER

Application Log #: 01900152 Date Received: 1/8/90

This is to acknowledge the receipt of an application for a Permit to Construct, Install, or Alter Control Apparatus or Equipment and Certificate to Operate Control Apparatus or Equipment as referenced above.

The application was received and was assigned the  $\Lambda$ pplication log number referenced above.

Information regarding the status of the application can be received by calling 609-292-6716 and referring to the Application Log Number.

by:

Chief

C: BNSR File Regional Office



#### OF ENVIRONMENTAL PROTECTION

#### DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PERMIT PROGRAM **BUREAU OF NEW SOURCE REVIEW** CN 027 TRENTON, NEW JERSEY 08625

Date: 1/18/90

REMTECH ENVIRONMENTAL (NJ)LP JAMES SEMPLE 1800 CARMAN STREET CAMDEN , NJ. 08105-0000

Plant Location:

CAMDEN

County:

CAMDEN

Applicant's Designation of Stack:UNLOADING/RECEIVING BOX

Application Log #: 01900148 Date Received:

1/ 8/90

This is to acknowledge the receipt of an application for a Permit to Construct, Install, or Alter Control Apparatus or Equipment and Certificate to Operate Control Apparatus or Equipment as referenced above.

The application was received and was assigned the Application log number referenced above.

Information regarding the status of the application can be received by calling 609-292-6716 and referping to the Applitation Log Number.

Chief

C: BNSR File Regional Office



### OF ENVIRONMENTAL PROTECTION

# DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PERMIT PROGRAMBUREAU OF NEW SOURCE REVIEW CN 027

TRENTON, NEW JERSEY 08625

Date: 1/18/90

REMTECH ENVIRONMENTAL (NJ)LP
JAMES SEMPLE
1800 CARMAN STREET
CAMDEN , NJ, 08105-0000

Plant Location: CAMDEN CAMDEN

Applicant's Designation of Stack:PRETREATHENT SYSTEM DISSOLVED AI

Application Log #: 01900153 Date Received: 1/ 8/90

This is to acknowledge the receipt of an application for a Permit to Construct, Install, or Alter Control Apparatus or Equipment and Certificate to Operate Control Apparatus or Equipment as

The application was received and was assigned the  $\Lambda$ pplication log number referenced above.

Information regarding the status of the application can be received by calling 609-292-6716 and referring to the Application Log Number.

Chief

C: BNCR File Regional Office



#### OF ENVIRONMENTAL PROTECTION

#### DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PERMIT PROGRAM **BUREAU OF NEW SOURCE REVIEW** CN 027 TRENTON, NEW JERSEY 08625

AN 22 RECO

Date: 1/18/90

REMTECH ENVIRONMENTAL (NJ)LP JAMES SEMPLE 1000 CARHAN STREET , NJ, 00105-0000 CAMDEN

Plant Location:

CAMDEN

County:

CAMBEN Applicant's Designation of Stack: WATER PRETREATMENT TANK NO.1

Application Log #: 01900150 1/8/90 Date Received:

This is to acknowledge the receipt of an application for a Permit to Construct, Install, or Alter Control Apparatus or Equipment and Certificate to Operate Control Apparatus or Equipment as referenced above.

The application was received and was assigned the Application log number referenced above.

Information regarding the status of the application can be received by calling 609 292-6716 and referring to the Application Log Number.

DY:

Chicf

C: BMSR File Regional Office



#### OF ENVIRONMENTAL PROTECTION

# DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PERMIT PROGRAM BUREAU OF NEW SOURCE REVIEW CN 027 TRENTON, NEW JERSEY 08625

Date: 1/18/90

REMTECH ENVIRONMENTAL (NJ)LP
JAMES SEMPLE
1000 CARMAN STREET
CAMDEN , NJ, 08105-0000

Plant Location: CAMDEN COUNTY: CAMDEN

C: DNSR File

Regional Office

Applicant's Designation of Stack: WATER PRETREATMENT TANK NO.2

Application Log #: 01900151 Date Received: 1/8/90

This is to acknowledge the receipt of an application for a Permit to Construct, Install, or Alter Control Apparatus or Equipment and Certificate to Operate Control Apparatus or Equipment as referenced above.

The application was received and was assigned the Application log number referenced above.

Information regarding the status of the application can be received by calling  $609\ 292\text{-}6716$  and referring to the Application Log Number.

by:

Chief

162



#### OF ENVIRONMENTAL PROTECTION

#### DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PERMIT PROGRAM BUREAU OF NEW SOURCE REVIEW CN 027 TRENTON, NEW JERSEY 08625

Date: 1/18/20

REHTECH HMYTROHHEHTAL (HJ)LP JAHES SEHPLE 1890 CARMAN STRUTT CAMBEN , HJ, 20105 0000

May by Section

Float Liestion: CAMPEN
Tivaty: TAMPEN
Applicant's Designation of Otack: TAPE Dis
Application Log #: 01000117
Date Received: 1,1 0,700

This is to acknowledge the receipt of an application for a Permit to Construct, Install, or Alter Control Apparatus or Equipment and Contificate to Operate Control Apparatus or Equipment () referenced above.

The application was received and was assigned the Application tog number referenced above.

information regarding the status of the application can be received by calling 600 202 6716 and referring to the Application bog Humber.

1:5:

Chier

n: pump pile
Regional Office

TOUR ACM OLV



# DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

. · · · a.	AIR POLLUTION CONTROL P	ROGRAM
All Correspondence mus	t indicate your APC PLANT ID N	IÚMBER —
	860	APC PLANT ID 50024
4)	failing Address)	(Plant Location)
REHTECH ENVIRONME 1800 CARMAN ST. CAMDEN	NTAL (NJ) LP	CAMBEN PLANT 1800-1900 CARMAN ST. CAMBEN
Applicant's Designation of Equ N.J. Stack No. 001 Approval 04/14/81	ipment STURAGE TANK P1 No. of Stacks 001 Effective 04/03/8	No. of Sources 01 Expiration 04/03/93
	, INSTALL OR ALTER CONTRO AND E TO OPERATE CONTROL APP	OL APPARATUS OR EQUIPMENT ARATUS OR EQUIPMENT
	# AMENDMENT #	
IT IS NOW Y IN ACCORDAN	R REQUEST FOR A TRANSFER  OUR RESPONSIBILITY TO UP  CE WITH THE CONDITIONS U  CERTIFICATE AS PER N.J.A	PERATE THIS EQUIPMENT OF THE APPROVED
		IIS PERMIT ÄND CERTIFICATE V THE OPERATING PREMISES•
·	1. J. 40.	
		•
		al
		1) onald Patterson
N.J. Department of Environmenta Division of Environmental Quality CN-027, 401 East State Street		

164

Trenton, New Jersey 08625



#### OF ENVIRONMENTAL PROTECTION

# DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

and the same and the latter of the same after most first. The little same around state of the same same.	the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Co	
All Consumptions		-
	your APC PLANT ID NUMBER ———	
The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	Jour III & LEITH I ID INCUIDER	

Certificate Number

049861

APC PLANT ID 50024

(Mailing Address)

(Plant Location)

REMTECH ENVIRONMENTAL (NJ) LP 1800 CARMAN ST& CAMDEN NJ 08105 CAMBEN PLANT 1800-1900 CARMAN ST.

Applicant's Designation of Equipment N.J. Stack No. 2022

Approval 002

04/14/81

STURAGE TANK P2 No. of Stacks 001 Effective 07/13/81

No. of Sources 01

PERMIT TO CONSTRUCT, INSTALL OR ALTER CONTROL APPARATUS OR EQUIPMENT AND CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT

**♣** AMENDMENT **♣** 

THIS PERMIT AND CERTIFICATE HAS BEEN AMENDED TO REFLECT YOUR REQUEST FOR A TRANSFER OF UNNERSHIP.

IT IS NOW YOUR RESPONSIBILITY TO OPERATE THIS EQUIPMENT IN ACCURDANCE WITH THE CONDITIONS OF THE APPROVED PERMIT AND CERTIFICATE AS PER N.J.A.C. 7:27-8.3(E).

IN ACCORDANCE HITH N.J.A.C. 7:27-8.3(D), THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING PREMISES.

Approved by: \_

165

N.J. Department of Environmental Protection Division of Environmental Quality CN-027, 401 East State Street Trenton, New Jersey 08625 Donald Patterion

SRU - CAMBEN COUNTY DEPARTMENT OF

01/16/90-08



#### . I'M OI HILL OF ENVIRONMENTAL PROTECTION

# DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

All Correspondence must	indicate your	APC PLANT ID	NUMBER
			·

Certificate Number

049862

NEW JERSEY STATE DEPARTMENT

APC PLANT ID 50024

(Mailing Address)

(Plant Location)

REMTECH ENVIRONMENTAL (NJ) LP 1800 CARMAN ST. CAMDEN

LN 08105 CAMDEN PLANT 1800-1900 CARMAN ST. CAMBEN

Applicant's Designation of Equipment N.J. Stack No. E00 Approval

04/14/81

STORAGE TANK P3 Effective 07/13/81

No. of Sources 01 Expiration 04/03/93

PERMIT TO CONSTRUCT, INSTALL OR ALTER CONTROL APPARATUS OR EQUIPMENT AND CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT

**☆ AMENDMENT ☆** 

THIS PERMIT AND CERTIFICATE HAS BEEN AMENDED TO REFLECT YOUR REQUEST FOR A TRANSFER OF DWNERSHIP's

IT IS NOW YOUR RESPONSIBILITY TO OPERATE THIS EQUIPMENT IN ACCORDANCE WITH THE CONDITIONS OF THE APPROVED PERMIT AND CERTIFICATE AS PER NaJanaca 7:27-8:3(E):

IN ACCORDANCE WITH N.J.A.C. 7:27-8.3(D), THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING PREMISES.

Dendel Patternor

N.J. Department of Environmental Protection Division of Environmental Quality CN-027, 401 East State Street Trenton, New Jersey 08625

Approved by:	,
representation of the	



## OF ENVIRONMENTAL PROTECTION

#### DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

All	Carrestiance	100 10010	rate vous Al	728 H 2 4 No. 18 L	i dai di vina antinu da d

Certificate Number

049863

APC PLANT ID 50024

(Mailing Address)

(Plant Location)

REMTECH ENVIRONMENTAL (NJ) LP 1800 CARMAN ST.

CAMBEN

Approval

LN 08105 CAMDEN PLANT 1800-1900 CARMAN St. CAMUEN

Applicant's Designation of Equipment N.J. Stack No.

004

04/14/81

STORAGE TANK 64 No. of Stacks 001 Effective 07/13/81

No. of Sources 01 Expiration 04/03/93

PERMIT TO CONSTRUCT, INSTALL OR ALTER CONTROL APPARATUS OR EQUIPMENT MNA CERTIFICATE TO OPERATE: CONTROL APPARATUS OR EQUIPMENT

**→ AMENDMENT →** 

THIS PERMIT AND CERTIFICATE HAS BEEN AMENDED TO REFLECT YOUR REQUEST FOR A TRANSFER OF UNNERSHIP.

IT IS NOW YOUR RESPONSIBILITY TO OPERATE THIS EQUIPMENT IN ACCORDANCE WITH THE CONDITIONS OF THE APPROVED PERMIT AND CERTIFICATE AS PER NoJoAcco 7:27-803(E).

IN ACCORDANCE WITH N.J.A.C. 7:27-8.3(D), THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING PREMISES.

167

(1)

N.J. Department of Environmental Protection ivision of Environmental Quality N-027, 401 East State Street . centon, New Jersey 08625



#### DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

		The same of the same of		e marketon.	COMPAND.	-	<del>it die treman</del>
All Correspond	lence must	indicate	vout	APC I	PLANT	ID I	NUMBEK

dificate Number

Approval

049864

APC PLANT ID 50024

(Mailing Address)

(Plant Location)

RENTECH ENVIRONMENTAL (NJ) LP 1800 CARMAN ST. 08105 CAMDEN

CAMDEN PLANT 1800-1900 CARMAN ST& CAMDEN

Applicant's Designation of Equipment N.J. Stack No. 005

04/14/81

BOTLER STACK (4 MILL. BTU/HR)
No. of Stacks 001

Effective 01/13/81

Expiration 04/03/93

PERMIT TO CONSTRUCT! INSTALL OR ALTER CONTROL APPARATUS OR EQUIPMENT CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT

**◆ AMENDMENT ◆** 

THIS PERMIT AND CERTIFICATE HAS BEEN AMENDED TO REFLECT YOUR REQUEST FOR A TRANSFER OF OWNERSHIP &

IT IS NOW YOUR RESPONSIBILITY TO OPERATE THIS EQUIPMENT IN ACCORDANCE WITH THE CONDITIONS OF THE APPROVED PERMIT AND CERTIFICATE AS PER N.J.A.C. 7:27-8.3(E).

IN ACCORDANCE WITH N.J.A.C. 7:27-8.3(D), THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING PREMISES.

N.J. Department of Environmental Protection Division of Environmental Quality N-027, 401 East State Street Trenton, New Jetsey 08625

Approved by:

168

#### NEW JERSEY STATE DEPARTMENT



#### OF ENVIRONMENTAL PROTECTION

## DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

	10000110110011110011111	
Correspondence must indicate	your APC PLANT ID NUMBER	
4.4	A more than A A state A trans	

Certificate Number

049865

APC PLANT ID 50024

(Mailing Address)

(Plant Location)

RENTECH ENVIRONMENTAL (NJ) LP 1800 CARMAN ST. CAMDEN NJ 08105

CAMBEN PLANT 1800-1900 CARMAN ST& CAMBEN

Applicant's Designation of Equipment

STORAGE TANK B

No. of Sources 01 Expiration 04/03/93

N.J. Stack No. 006 Approval 04/14/81

Effective 07/13/81

PERMIT TO CONSTRUCT, INSTALL OR ALTER CONTROL APPARATUS OR EQUIPMENT AND CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT

**◆ AMENDMENT ◆** 

THIS PERMIT AND CERTIFICATE HAS BEEN AMENDED TO REFLECT YOUR REQUEST FOR A TRANSFER OF OWNERSHIP.

IT IS NOW YOUR RESPONSIBILITY TO OPERATE THIS EQUIPMENT IN ACCORDANCE WITH THE CONDITIONS OF THE APPROVED PERMIT AND CERTIFICATE AS PER N.J.A.C. 7:27-8:3(E).

IN ACCORDANCE WITH No.J.A.C. 7:27-8.3(D), THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING PREMISES.

169

N.J. Department of Environmental Protection ivision of Environmental Quality CN-0275 401 East State Street

Trenton, New Jersey 08625

Donald Patterson

Approved by:

#### NEW JERSEY STATE DEPARTMENT



#### OF ENVIRONMENTAL PROTECTION

## DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

All Cottespondence must			484

CALL STREET

Certificate Number

049866

APC PLANT ID 50024

(Mailing Address)

(Plant Location)

REMTECH ENVIRONMENTAL (NJ) LP 1800 CARMAN ST. CAMDEN NJ 08105

CAMDEN PLANT 1800-1900 CARMAN STA CAMDEN

Applicant's Designation of Equipment

N.J. Stack No.

04/14/81

STURAGE TANK A
No. of Stacks 001
Effective 07/13/81

No. of Sources 01
Expiration 04/03/93

PERMIT TO CONSTRUCT; INSTALL OR ALTER CONTROL APPARATUS OR EQUIPMENT AND CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT

**♣ AMENDMENT ♣** 

THIS PERMIT AND CERTIFICATE HAS BEEN AMENDED TO REFLECT YOUR REQUEST FOR A TRANSFER OF OWNERSHIP.

IT IS NOW YOUR PESPONSIBILITY TO OPERATE THIS EQUIPMENT IN ACCORDANCE WITH THE CONDITIONS OF THE APPROVED PERMIT AND CERTIFICATE AS PER N.J.A.C. 7:27-8.3(E).

IN ACCORDANCE WITH N.J.A.C. 7:27-8.3(D), THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING PREHISES.

J. Department of Environmental Protection ision of Environmental Quality 027, 401 East State Street
Trenton, New Jersey 08625

Approved by:

Donald Patters

170



### DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

	A STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PAR	A PROPERTY OF THE PERSON NAMED IN	And in contrast of the last	A No. of the World Co.	42.4	
All Correspond	lence must	indicate	your APC	PLANT	ID	NUMBER

Certificate Number

Approval

049867

APC PLANT ID 50024

(Mailing Address)

(Plant Location)

REMTECH ENVIRUNMENTAL (NJ) LP 1800 CARMAN ST4 CAMDEN NJ 08105 CAMBÉN PLANT 1800-1900 CARMAN ST& CAMBÉN

Applicant's Designation of Equipment N.J. Stack No. 200

04/14/81

STURAGE TANK 12- USED LUBE to No. of Stacks 601

Effective 07/13/81

E trail No. of Sources to 1
Expiration 04/03/93

PERMIT TO CONSTRUCT, INSTALL OR ALTER CONTROL APPARATUS OR EQUIPMENT
AND
CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT

#### **◆ AMENDMENT ◆**

THIS PERMIT AND CERTIFICATE HAS BEEN AMENDED TO REFLECT YOUR REQUEST FOR A TRANSFER OF OWNERSHIP.

IT IS NOW YOUR RESPONSIBILITY TO OPERATE THIS EQUIPMENT IN ACCORDANCE WITH THE CONDITIONS OF THE APPROVED PERMIT AND CERTIFICATE AS PER No.J.A.C. 7:27-8.3(E).

IN ACCORDANCE WITH N.J.A.C. 7:27-8.3(D), THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING PREMISES.

171

N.J. Department of Environmental Protection Division of Environmental Quality CN-027, 401 East State Street Trenton, New Jersey 08625 Donald Patterior

ne

Approved by: .

#### NEW JERSEY STATE DEPARTMENT



## DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

nce must indicat	e your APC PLANT ID NUM	DER
049868		APC PLANT ID 50024
(Mailing A	idress)	(Plant Location)
ST.		CAMDEN PLANT 1800-1900 CARMAN STA CAMDEN
n of Equipment	STORAGE TANK 11- USE No. of Stacks 001	D LUBE UIL No. of Sources 01 Expiration 04/03/93
1	049868 (Mailing Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional Aditional	(Mailing Address)  IRUNMENTAL (NJ) LP  ST4  NJ 08105

PERMIT TO CONSTRUCT: INSTALL OR ALTER CONTROL APPARATUS OR EQUIPMENT
AND
CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT

4 AMENDMENT 4

THIS PERMIT AND CERTIFICATE HAS BEEN AMENDED TO REFLECT YOUR REQUEST FOR A TRANSFER OF OWNERSHIP.

IT IS NOW YOUR RESPONSIBILITY TO OPERATE THIS EQUIPMENT IN ACCORDANCE WITH THE CONDITIONS OF THE APPROVED PERMIT AND CERTIFICATE AS PER N.J.A.C. 7:27-8.3(E).

IN ACCORDANCE WITH No.J.A.C. 7:27-8.3(D), THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING PREMISES.

N.J. Department of Environmental Protection Division of Environmental Quality N-027, 401 East State Street Trenton, New Jersey 08625 Approved by:

172



#### DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	Contraction of the Con-	A STATE OF STREET	with the name of	A CONTRACTOR OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF TH
All Correspondence must indicate	your APC	PLANT I	D NUMB	EK
· · · · · · · · · · · · · · · · · · ·				

Certificate Number

049869

APC PLANT ID 50024

(Mailing Address)

(Plant Location)

RENTECH ENVIRONMENTAL (NJ) LP 1800 CARMAN STA 08105 CAMBEN

CAMBEN PLANT 1800-1900 CARNAN ST\* CAMDEN

Applicant's Designation of Equipment N.J. Stack No. Approval

04/14/81

STORAGE TANK 10- USED LUBE OIL No. of Sources 01 Effective 07/13/81

PERMIT TO CONSTRUCT. INSTALL OR ALTER CONTROL APPARATUS OR EQUIPMENT AND CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT

\* AMENDMENT \*

THIS PERMIT AND CERTIFICATE HAS BEEN AMENDED TO REFLECT YOUR REQUEST FOR A TRANSFER OF OWNERSHIP .

IT IS NOW YOUR RESPONSIBILITY TO UPERATE THIS EQUIPMENT IN ACCORDANCE WITH THE CONDITIONS OF THE APPROVED PERMIT AND CERTIFICATE AS PER NaJaAaca 7:27-843(E).

IN ACCORDANCE WITH NoJonoco 7:27-8:3(D). THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FUR INSPECTION ON THE OPERATING PREHISES.

173

Donald F

N.J. Department of Environmental Protection Division of Environmental Quality CN-027, 401 East State Street Trenton, New Jersey 08625 

Approved by: .



b	IVISION OF ENVIRONMENTAL QU AIR POLLUTION CONTROL PROGI	ALITY	
All Correspondence must indica	ite your APC PLANT ID NUM		
cate Number 049875		APC PLANT ID 50024	
(Mailing /	Address)	(Plant Location)	
REMTECH ENVIRUNMENTAL 1800 CARMAN ST. CAMDEN NJ 08	(NJ) LP 3105	CAMDEN PLANT 1800-1900 CARMAN ST& CAMDEN	
Applicant's Designation of Equipment N.J. Stack No. 016 Approval 04/14/81	STURAGE TANK 4 - USE No. of Stacks 001 Effective 07/13/81	D LUBE OIL No. of Sources 01 Expiration 04/03/93	
PERMIT TO CONSTRUCT, INS	TALL OR ALTER CONTROL AND OPERATE CONTROL APPARA		
	♦ AMENDMENT ♦		
	CERTIFICATE HAS BEEN A UEST FOR A TRANSFER OF		

IT IS NOW YOUR RESPONSIBILITY TO OPERATE THIS EQUIPMENT IN ACCORDANCE WITH THE CONDITIONS OF THE APPROVED PERMIT AND CERTIFICATE AS PER N.J.A.C. 7:27-8.3(E).

IN ACCORDANCE WITH No.J.A.C. 7:27-8.3(D), THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE UPERATING PREMISES.

Donald Patters

N.J. Department of Environmental Protection Division of Environmental Quality N-027, 401 East State Street mon, New Jersey 08625

Approved by: .

174



## DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

	AIR POLLUTION CONTROL PROG	KAM	
All Correspondence must indic	ate your APC PLANT ID NUM	BER ————	
Certificate Number 049876		APC PLANT ID 50024	
(Mailing	Address)	(Plant Location)	
REMTECH ENVIRUNMENTAL 1800 CARMAN ST- CAMDEN NJ O	(NJ) LP 8105	CAMDEN PLANT 1800-1900 CARMAN ST. CAMDEN	
Applicant's Designation of Equipment N.J. Stack No. 017 Approval 04/14/81	STORAGE TANK 3 - USE No. of Stacks 001 Effective 07/13/81	D LUBE DIL No. of Sources 01 Expiration 04/03/93	·
PERMIT TO CONSTRUCT. INS		APPARATUS OR EQUIPMENT	

PERMIT TO CONSTRUCT, INSTALL OR ALTER CONTROL APPARATUS OR EQUIPMENT AND CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT

\* AMENDMENT \*

THIS PERMIT AND CERTIFICATE HAS BEEN AMENDED TO REFLECT YOUR REQUEST FOR A TRANSFER OF UNNERSHIP.

IT IS NOW YOUR RESPONSIBILITY TO OPERATE THIS EQUIPMENT IN ACCORDANCE WITH THE CONDITIONS OF THE APPROVED PERMIT AND CERTIFICATE AS PER N.J.A.C. 7:27-8.3(E).

IN ACCURDANCE WITH N.J.A.C. 1:27-8-3(D), THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING PREMISES.

175

N.J. Department of Environmental Protection Division of Environmental Quality CN-027, 401 East State Street Trenton, New Jersey 08625

Donald 1	Patterin
----------	----------

Approved by:	



#### OF ENVIRONMENTAL PROTECTION

FEB 06 RECT

## DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

	AIR POLLUTION CONTROL	PROGRAM
All Corresponden	ice must indicate your APC PLANT ID	NUMBER - Later MI Day
cate Number	049877	APC PLANT ID ' 50024
mmental Proceeding	here (Mailing Address) just 1	promore in a committed to represent the least point of the least position.
Settle 1 an	RONNENTAL! (LN) LATE	CANDEN PLANT Self to spinish
1800 CARMAN	STank of the Property of the Stank	1800-1900-CARMANUST
CAMDEN	NT 08108 \$ ((4/9))	CAMDEN (1866) (1864)
Applicant's Designation	of Equipment STORAGE: TANK 2	A PART LINE DILL A LIZATIONI A LANGE DE LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CONTRA LA CON
N.J. Stack No 018	No. of Stacks 001	USEN LUBE NO. of Sources of

PERMIT: TO CONSTRUCT OF INSTALL TORNAL TER CONTROL! APPARATUSHOR VEQUIPMENT DATA TO STORM CONTROL TO METAL AND STORM CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL O

of norm and 为t 中x ANENDNENT t中一口

THIS PERMIT AND CERTIFICATE HAS BEEN AMENDED TO REFLECT: YOUR REQUEST: FOR ATTRANSFER OF OWNERSHIP #

The Charles

it is now your responsibility to be rate. This equipment in accordance with the conditions of the permit and certificate as the astronomy the approved to permit and certificate as the astronomy the approved to the permit and certificate as the first of the astronomy the approved to the astronomy that are the astronomy that are the astronomy to the astronomy that are the astronomy to the astronomy that are the astronomy to the astronomy to the astronomy that are the astronomy to the astronomy that are the astronomy to the astronomy to the astronomy that are the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the astronomy to the

IN ACCORDANCE WITH NAJAACA 7427-823(D) THIS PERMIT AND CERTIFICATE MUST BE READILY! AVAILABLE: FOR: INSPECTION ON THE OPERATING PREMISESA

To the property of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second

Approved by:

176

SRO - CAMDEN COUNTY DEPARTMENT OF

HEALTH AND COMMUNITY SERVICES 228

:01/16/90-08



## DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

All Corresponden	ce must indicate	your APC	PLANT ID	NUMBE		1 1/2/19/19
Certificate Number	049878		1 (b)		APC PLANT ID 500	124
	iver (Mailing Ad	dress)	<b></b>			Location) · · ·
REMTECH ENVI 1800 CARMAN CAMDEN	STA	NJ): LP 4 1 1 1 1 1 2 0 1 2 0 0 1 2 0 0 1 2 0 0 1			CAMDEN PLANT 1800-1900 CA CAMDEN	RMAN:ST.
Applicant's Designation N.J. Stack No. 129 Approval 04/		STURAGE No. of S	IRCKS MM4		LUBE, OIL No. of Source Expiration	04/03/93
THIS FREFLEC	ERMIT AND COT YOUR REQUESTED AND CERTIF	Fenafette  name for  name for  name for  name for  name for  name for  representation  services  FOR  SPONSIBI  HATHERED  FICATE: AS	NDMENT: S NDMENT: S TE HAS B! A: TRANSF! LITY: TO NDITIONS \PER: N&J	EEN AMI ER OF I OPERAT	ENDED TO OWNERSHIP. E THIS EQUIPM E APPROVED 7127-813(E).	ENT
MUST BE READI	TA: WAYITYRTI	E FUR INS	PECITON	UN INC	CI EKATZIKO III	
		·*	1			
	on her	. t .	•		And the second	
•		٠			4 2 2 2 4 - 2 2 4 - 2 2	
			,		1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	
		·				•
177	•					
N.J. Department of En	vironmental Protect	ion			•	<b>i</b>
Division of Environment CN-027, 401 East State Trenton, New Jersey 08	ital Quality Street		Approved by:			1
Charles and a series						

LOUIN AEW-OIL



## DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

ertificate Number	050018	ur APC PLANT ID I	APC PLANT ID 500	24
reconstruction	(Mailing Addres	<b>is)</b>	- Plant I	
REMTECH ENVI 1800 CARMAN CAMDEN	RONMENTAL (NJ) ST4 NJ 08105	, · •	CAMDEN PLANT 1800-1900:CAR CAMDEN	MAN:ST4
pplicant's Designation J. Stack No. 020 pproväl 04/1	of Equipment 6A:	SPLINE: STURAGE: No. of Stacks 001 Effective 04/15/8	TANK 3000 GAL No. of Sources	01 4/15/91
11 11 11	al 1 math 20 ath 10 a	1450100 <b>点制的</b> :	OL APPARATUSHUR FEQU ARATUS. DR. EQUIPMENT	steriler's tox access
	The Physical Dis	AMENDMENT .	1 (17.4) 1 Min (18.4)	101 T 100 T 10
THIS P	ERMIT" AND : CERT:	IFICATE HAS BEE FOR A TRANSFER	N AMENDED TO OF OWNERSHIP.	
IN ACC	NOW:YOUR RESPO DRDANCE:WITH.T	HE CONDITIONS O	PERATE THIS EQUIPMEN OF THE APPROVED NOCA 7:27-803(E)	<b>IT</b>
IN ACC PERMIT: IN ACCORDANCE (	NOW:YOUR RESPO DRDANCE:WITH T AND CERTIFICA WITH NAJAAACA	NSIBILITY TO OF HE CONDITIONS O TE AS "PER "Naja"	IF: THE APPROVED	· ETCATE
IN ACC PERMIT: IN ACCORDANCE (	NOW:YOUR RESPO DRDANCE:WITH T AND CERTIFICA WITH NAJAAACA	NSIBILITY TO OF HE CONDITIONS OF TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJ		· ETCATO
PERMIT:	NOW:YOUR RESPO DRDANCE:WITH TO AND CERTIFICA WITH N4J-A:C: Y AVAILABLE FO	NSIBILITY TO OF HE CONDITIONS OF TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJ	OF THE APPROVED  N+C+ 7:27-8+3(E)+  NIS PERMIT AND CERTI  N THE OPERATING PREM	· ETCATO
PERMIT:	NOW:YOUR RESPO DRDANCE:WITH.TO AND CERTIFICA WITH NAJ-A:C: Y AVAILABLE FO	NSIBILITY TO OF HE CONDITIONS OF TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJ	OF THE APPROVED  N+C+ 7:27-8+3(E)+  NIS PERMIT AND CERTI  N THE OPERATING PREM	· ETCATO
PERMIT:	NOW: YOUR RESPONDED AND CERTIFICATION  WITH NAJ-A-C- Y AVAILABLE FOR	NSIBILITY TO OF HE CONDITIONS OF TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJAR TE AS PER NAJ	OF THE APPROVED  N+C+ 7:27-8+3(E)+  NIS PERMIT AND CERTI  N THE OPERATING PREM	· ETCATO



## DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

	TION CONTROL FROM	
All Correspondence must indicate your A	PC PLANT ID NUM	APC PLANT ID 50024
Certificate Number 073712		, , , , , , , , , , , , , , , , , , , ,
(Mailing Address)		(Plant Location)
REMTECH ENVIRONMENTAL: (NJ):LI 1800 CARMAN ST. CAMDEN NJ 08105;	<b>,</b>	CAMDEN PLANT 1800-1900 CARMAN STOCAMDEN
Applicant's Designation of Equipment Runs No. No. No. Approval 12/11/85	VENT ON PROCES of Stacks 001 Fective 12/11/85	No. of Sources 08 Expiration 11/30/92
THE DESIGNATION OF STREET	LOCONTROL-APPAR LOCONTROL-APPAR LOCAL AMENDMENT: 4 LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOCAL LOC	ATUS OR EQUIPMENT the county of a county of a county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of the county of th
REFLECT YOUR REQUEST F	OR A: TRANSFER	OF OWNERSHIP•
IT IS NOW YOUR RESPONS IN ACCORDANCE WITH THE PERMIT AND CERTIFICATE IN ACCORDANCE WITH N.J.A.C. 78 MUST BE READILY AVAILABLE FOR	CONDITIONS OF ASTPER NAJAAA	THE APPROVED  Co:7327+843(E)+  IS PERMIT AND CERTIFICATE
	.·.	
	•	U * * *  n · *
•		en en en en en en en en en en en en en e
<b>17</b> 9	·	Donald Patterior
N.J. Department of Environmental Protection Division of Environmental Quality CN-027, 401 East State Street Trenton, New Jersey 08625	Approved by:	(

SRO - CANDEN COUNTY DEPARTMENT OF HEALTH AND COMMUNITY SERVICES

01/16/90-08



## DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

	mber 076278	te your APC PLANT ID NU	APC PLANT ID 50024
	· · · · · · · · (Mailing A	ddress)	tan (Plant Location)
1	CH ENVIRONMENTAL: CARMAN ST÷ N NJ O8	(NJ) (LP ) 105 : 11	CAMDEN PLANT 1800-1900 CARMAN: STA CAMDEN
Applicant's D N.J. Stack No Approval	esignation of Equipment 022 11/24/86	C1 No. of Stacks, 001 Effective 11/24/55	No. of Sources 01
PERMITST	CERTIFICATE: TOE		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
	The Control of Paris	THE AMENDMENT : 4 - 1	The first of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the sect
	•	CERTIFICATE HAS BEEN VEST FOR A TRANSFER (	
	IN ACCORDANCE NI	ESPONSIBILITY: TO OPE TH: THE:CONDITIONS OF FICATE AS PER!N.J.A.	THE APPROVED
		•	
			S PERMIT AND CERTIFICATE THE OPERATING PREMISES.
	READILY AVAILABL	E FOR INSPECTION ON	
	READILY AVAILABL	E FOR INSPECTION ON	
	READILY AVAILABL	E FOR INSPECTION ON	
MUST BE	READILY AVAILABL	E FOR INSPECTION ON	



## DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

	and the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of th	· · · · · · · · · · · · · · · · · · ·			
All Correspondence	must indicate v	our APC	PLΛ	$\Pi$ $\Pi$	NUMBER

Certificate Number

076163

APC PLANT ID 50024

3002,

(Plant Location)

::: (Mailing Address)

REMTECH ENVIRONMENTAL (NJ) LP 1800 CARMAN ST-

CAMDEN

NJ 08105

CAMDEN PLANT

1800-1900 : CARMAN: ST.

CAMDEN

Applicant's Designation of Equipment
N.J. Stack No. 023
Approval 11/24/86

Effective 11/24/86

No. of Sources 01

PERMIT: TO CONSTRUCTS TINSTALL OR FALTER CONTROL APPARATUSHOR REQUIPMENT!

CERTIFICATES TO OFFERATE CONTROL APPARATUS OR EQUIPMENT SERVICES OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPER

total garagerst ty &CAMENDMENT: &-

THIS PERMIT: AND: CERTIFICATE HAS BEEN AMENDED TO REFLECT YOUR REQUEST: FOR A TRANSFER OF OWNERSHIP.

IT IS NOW YOUR RESPONSIBILITY TO OPERATE THIS EQUIPMENT IN ACCORDANCE WITH THE CONDITIONS OF THE APPROVED PERMIT AND CERTIFICATE AS PER No John Co. 7327-843(E).

IN ACCORDANCE WITH N.J.A.C. 7:27-6.3(D); THIS PERMIT AND CERTIFICATE MUST BE READILY: AVAILABLE FOR INSPECTION ON THE OPERATING PREMISES.

Approved by: \_

181

N.J. Department of Environmental Protection Division of Environmental Quality CN-027, 401 East State Street Trenton, New Jersey 08625 Donald Patterior

#### NEW JERSEY STATE DEPARTMENT



#### OF ENVIRONMENTAL PROTECTION

#### DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

			AIR POLLU	HON CONT	ROL PROGRA	ΛM ·		
All Co	rrespondenc	e must indi	cate your A	PCPLANT	ID NUMB	BR		· :
Cértificate N	umber	076164				APC PLANT	ID 50024	. 5
\$ • • • • • • • • • • • • • • • • • • •		··· (Mailing	Address)	1	· · · · · · · · · · · · · · · · · · ·		(Plant Locati	on)
	CARMAN	T.	. (NJ):LP 18105	) (3 - 1 ) (4 - 1 )		CAMDEN	PLANT Do Carman:	<b>51</b> •
Applicant's I N.J. Stack'N Approval	Designation of 024 11/24		t C3 No. c	of Stacks. 00 ective 11/	01 24/86		Sources 01	<b>5/91</b>
PERMIT	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CATE TO	de la mag s <b>oferate</b> : med l copside <b>a</b> 27	AND CONTROL MENDMEN	APPARAT	US OR EQU	ORYEQUIPA Timera action IPAENT (A) Vicinity (A)	1
						IENDED TO OWNERSHIP	•	
	IN ACCU	RDANCE H	RESPONSI	BILITY: 1 CONDITIO	NS OF TH	TE THIS EN HE APPROVI 7127-613	ED	
							D'CERTIFIE NG'PREMISE	
		, . <b>.</b> .		•		•		
						• •	,	
						to onald	Patter	AM.
N I Denattm	ent of Enviro	mental Protec	ction		•			

Approved by:

Pivision of Environmental Quality
N-027, 401 East State Street
Trenton, New Jersey 08623



#### DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

			the second second			
All Correspond	ence must i	ndicate	vour AP	PT PLA	NTID	NUMBER

Certificate Number

090279

APC PLANT ID 50024

🥶 😥 (Mailing Address) 🦠

(Plant Location)

REMTECH ENVIRONMENTAL: (NJ) LP : 1800 CARMAN ST4:

CAMDEN

NJ 08105 .

CAMDEN PLANT 1800-1900-CARMAN ST

Applicant's Designation of Equipment NJ. STANJ. Stack No. 1028

Approval

03/28/89

No. of Stacks 001 Effective 03/28/89

No. of Sources 01

EXPLANION 03/28/98

PERMIT TO CONSTRUCT JINSTALL OR ALTER CONTROL APPARATUS! OR EQUIPMENT I

CERTIFICATE: TO OPERATE: CONTROL APPARATUS OR EQUIPMENT of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the con

- AMENDMENT - -

THIS PERMIT AND CERTIFICATE HAS BEEN AMENDED TO REFLECT YOUR REQUEST FOR A TRANSFER OF OWNERSHIP.

IT IS NOW YOUR RESPONSIBILITY: TO OPERATE THIS EQUIPMENT IN ACCORDANCE WITH THE CONDITIONS OF THE APPROVED PERMIT AND CERTIFICATE AS PER NAJABACA 7127-843(E).

IN ACCORDANCE WITH Nojaa.c. 7:27-8.3(D), THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING PREMISES.

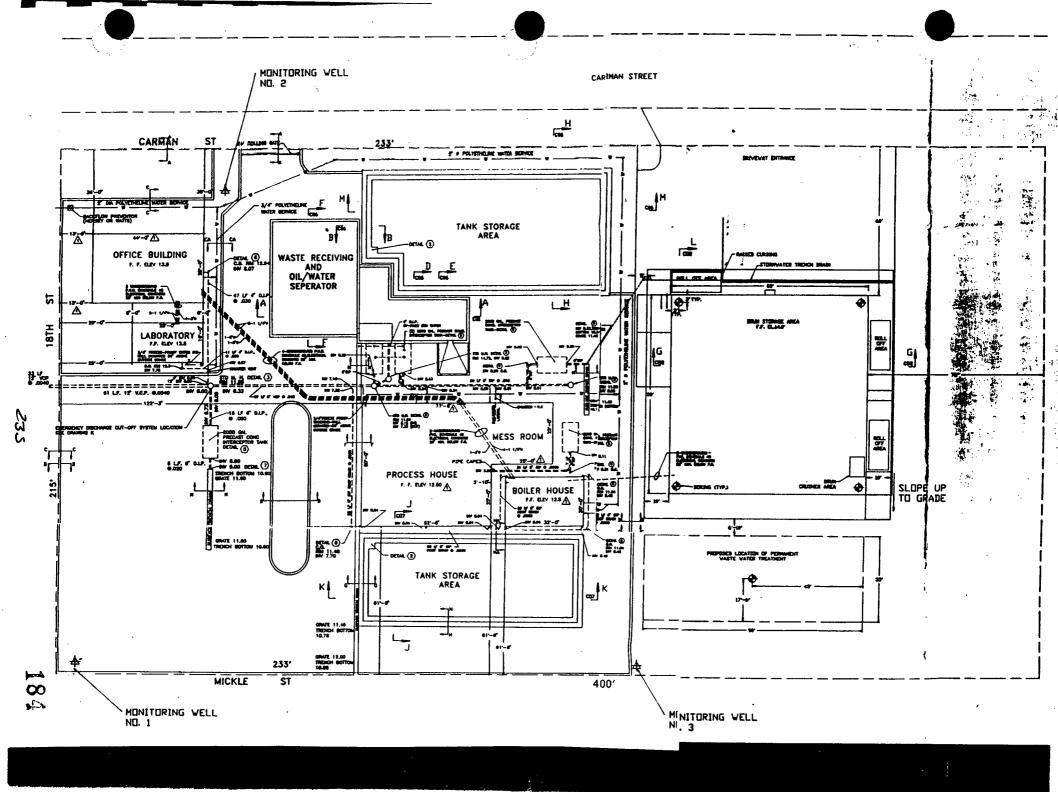
183

多

N.J. Department of Environmental Protection Division of Environmental Quality CN-027, 401 East State Street Trenton, New Jersey 08625

Approved by: .

Donald Patterion



REFERENCE NO. 7

# GEOLOGY AND GROUND-WATER RESOURCES OF CAMDEN COUNTY, NEW JERSEY

By George M. Farlekas, Bronius Nemickas, and Harold E. Gill

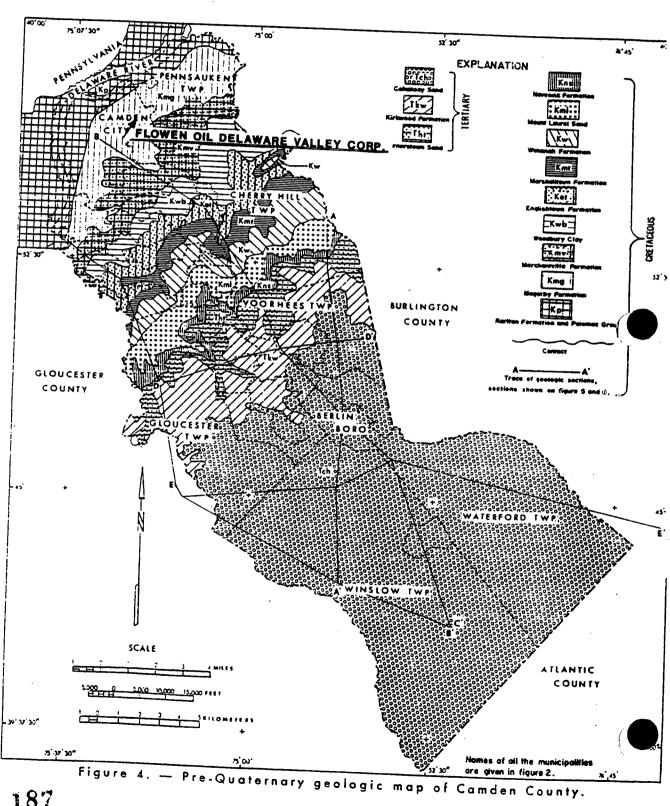
U.S. GEOLOGICAL SURVEY
Water-Resources Investigations 76-76

Prepared in cooperation with

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL

PROTECTION, DIVISION OF WATER RESOURCES





#### Cretaceous System

Potomac Group and the Raritan and Magothy Formations

## Regional Setting and Stratigraphic Framework

Potomac Group and the Formations are fluvial-marginal marine sediments of Early Raritan and Magothy Late Cretaceous age and overlie the pre-Cretaceous crystalline These sediments make up an extensive part of the Coastal Plain sediments in New Jersey and in the adjacent staten. Major structures which contain the greatest thickness of sediments are the Salisbury embayment (Richards, 1945) in Delaware and the Raritan embayment in the vicinity of Raritan embayments, which includes Camden County, The area between these arches and troughs. The outcrop area of the Potomac Group and Raritan and Magothy Formations in Camden County (21 square miles in area) is in the northwestern part of the county near The units are extensively overlain by permeable Pleistocene deposits in the outcrop area.

The Potomac Group and the Raritan and Magothy formations form a wedge-shaped body that thickens in a downdip direction and is underlain by the crystalline basement. The configuration of the crystalline rocks is shown in figure 7. The upper limit of the wedge-shaped body is the contact between the Merchantville Formation and the top of the Magothy the top of the Magothy is the total thickness of Potomac Group and the Raritan and Magothy Formations (fig. 9).

In Camden County the thickness of the Potomac Group and Raritan and Magothy Formations ranges from approximately 260 feet at the Collingswood well 7 (CO 7), located near the outcrop area, to approximately 1,210 feet at the New Brooklyn Park test well (WI 27). This is shown on the thickness map in figure 9. The distance between the two wells is 13 miles.

Correlation of part of the Cretaceous stratigraphic section in northern New Jersey and Maryland as determined by Wolfe and Pakiser (1971) is given below.

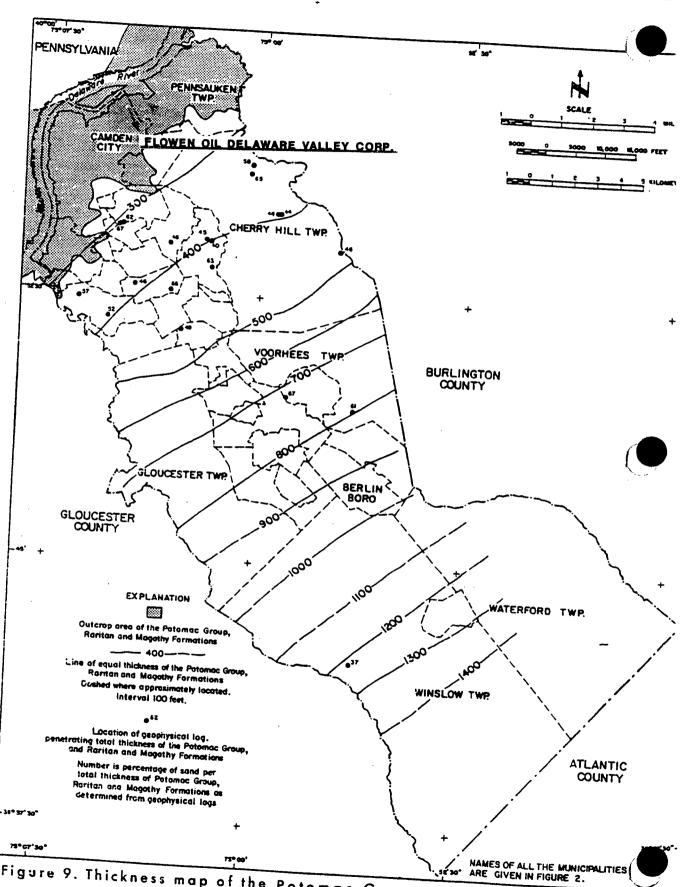


Figure 9. Thickness map of the Potomac Group and the Raritan and Magothy Formations in Camden County. 189

probably extended from Philadelphia to the area updip from New Brooklyn Park.

A thickness map of the Potomac Group and the Raritan and Magothy Formations is given in figure 9. Also shown is the percentage of sand as estimated from geophysical logs from wells that penetrate the section from the top of the Magothy to The thickness lines show the thickening of the sediments downdip. greater values in the updip area and lower values in the The percentage of sand indicates downdip area. The estimated percentage of sand at the Brooklyn Park well (WI 27) is 37. concept developed by Fisher and McGowen (1959) the New Brooklyn is interpreted as being in channel-marsh and swamp facies. the distributary Haddonfield area are interpreted as including the transitional, The sediments found in the meandering channel facies of Fisher and McGowen (1969). The dendritic tributary channel facies is interpreted as occurring in the area from Philadelphia to the northern part The highly meandering channel probably occurs in the area downdip (VO 12). Lack of data prevents the from Elm Tree Farms well of this facies downdip of the Elm Tree Farms area. delineation of the extent

Particle-size analysis is available for samples from the New Brooklyn Park test well (WI 27) in Winslow Township (table 5). The particle-size analysis shows the predominant silt and clay values.

#### Hydrology

The most productive source of ground water in Camden is the Potomac-Raritan-Magothy aquifer system. aquifer system is made up of aquifers consisting of sand with some gravel and confining units consisting of silts and clays overlain in the outcrop area by highly permeable Pleistocene sand and gravel. three hydrologic units, an upper, middle, and lower aquifer. The sands are separated into The upper unit consists mainly of the sands of the Magothy Formation. The middle and lower units consist mainly of sands of the Raritan Formation and the Potomac Group. The thickness of the three hydrologic units are shown in figures 11, 12, and The lower aquifer in the outcrop area is overlain by and hydraulically connected to the Pleistocene deposits and is a water-table aquifer in Philadelphia. The upper aquifer outcrop area is overlain by and hydraulically connected to the Pleistocene deposits in Camden County and is under water-table

of development from the lower aquifer in Philadelphia and present maps of the potentiometric surface for the early 1920's, 1940, 1945, and 1954. The pumpage was approximately 5 mgd in 1920, 15 mgd in 1940, and 23 mgd in 1945. Withdrawals from the lower aquifer in Philadelphia decreased in 1946 and 1947, but again increased to 23 mgd in 1951. The rate withdrawals declined after 1953 and pumpage in South Philadelphia in 1956 was 18 mgd. No recent complete inventory of withdrawal from the lower aquifer in Philadelphia has been made. However, spot inventories at the U. S. Navy Base and head measurements in 1968 in a few wells in Philadelphia indicate a much lower pumpage. Many wells pumped in 1956 were no longer in use in 1968.

Recharge and Movement of Ground Water

As presented in the section on patterns of ground-water movement the movement of water in the Potomac-Raritan-Magothy aquifer system prior to pumpage was influenced by recharge in topographically high areas while the discharge areas were the Delaware River, and to some extent, the topographic lows or stream valleys which cut across the outer areas.

Recharge and movement of water in the Potomac-Raritan-Magothy aquifer system was altered by the large amount of withdrawals, especially in the area near the Delaware River. As pumping increased the gradients were reversed in the water table and artesian aquifers near and under the Delaware River. Greenman and others (1961) suggest that induced recharge occurs from the Delaware River into the aquifers in Philadelphia. They compared the specific conductance of the water from a well located near the Delaware River and the specific conductance of the Delaware River. Fluctuations in specific conductance were similar except that there was a five-month time lag. Barksdale and others (1958) give substantial evidence to show that induced recharge from the Delaware River occurs in the heavily pumped parts of the aquifer near the river. They cite three evidence; aquifer test results, fluctuations, and changes in chemical quality. An aquifer test temperature at the Morro Phillips tract in Camden City near the Delaware indicated a recharge boundary under the river and suggested that after two years of operation a well near the river would obtain 90 percent of its water from the river. Temperatures of water in a well near the river (at Beverly, Burlington County) change seasonally as does the temperature of water in the Delaware River. On the other hand the temperature of the water in a well several miles away from the river (

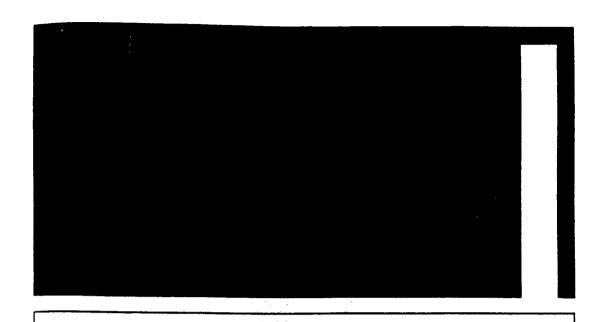
REFERENCE NO. 8

193

REFERENCE NO. 9

NUS CORPORATION		TELECON N	IOTE
CONTROL NO:	DATE:		
02-8806-05	11/9/90	TIME:	
DISTRIBUTION:		11:15	( )
7776770	L+D Lundsell	•	
Between: Daniel van 1965	OF: NSDEP	Burlau PHONE:	
	PhD of water Sup + policy - 010 g	water naura (609)633-11	
AND:		Wester Maurica (2071633-17	79
50E F	-iLOSA		NUS)
DISCUSSION:			-
+ asked Dr	Van Abs about	The Status of well	/
FIFECTION	10 New Jersey.	No told ma T. +	
A FUll Program	will be submissed	to EPA within a	
Few weeks, Hom	while he it is an	TO EFA WHAIN a	
Two Aspects is	1. PH I . A A	that There are Current	uy
FICS + Control	well head protection	in the	
Concerns	underground Storage	tunks. IF an under	
is wifely	a dood ralius	d a Public Capital	
7.1000	actory apple centa	imment rule which much	, 1
THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE S	IN Second aspec	of concorne to 11	
SUPPLY wells. A	n inventory of all	1 Pullution Sources	1
within a 2500	' radius of the	WITH FLOW SOURCES	
IF The size a	and I have we	ells must be conducted	<u>'</u> —
Dec	stars to be a high	risk the DEP will	
recommend faloc.	Ation. IF The SI,	to appear to be a lune	
TUSK DEP WILL	Dermit The site in	The museum was	
hul. He also.	Said that the new	Plan will use the	
Uniform	flow method wh	ich will evaluate a	
0-15 year True	el tima las con	will evaluate a	
vateri	conta	minants in the grown	2
* . 3 <b>f</b>			1
			<b>-</b>
195	•		

REFERENCE NO. 10



## R. Allan Freeze

Department of Geological Sciences
University of British Columbia
Vancouver, British Columbia

# John A. Cherry

Department of Earth Sciences
University of Waterloo
Waterloo, Ontario

# GROUNDWATER

Prentice-Hall, Inc. Englewood Cliffs, New Jersey 07632 Library of Congress Cataloging in Publication Data

FREEZE, R. ALLAN. Groundwater.

Bibliography: p.
Includes index.
1. Water, Underground. I. Cherry, John A., joint author. II. Title.
GB1003.2.F73 551.4'98 78-25796
ISEN 8-13-365312-9

Editorial/production supervision by Cathy Brenn/Kim McNeily Interior design by Chris Gadekar Manufacturing buyer: Harry Baisley Chapter logos: Peter Russell

© 1979 by Prentice-Hall, Inc., Englewood Cliffs, N.J. 07632

All rights reserved. No part of this book may be reproduced in any form or by any means without permission in writing from the publisher.

Printed in the United States of America

19 18 17 16 15 14 13 12 11

PRENTICE-HALL INTERNATIONAL, INC., London
PRENTICE-HALL OF AUSTRALIA PTY. LIMITED, Sydney
PRENTICE-HALL OF CANADA, LTD., Toronto
PRENTICE-HALL OF INDIA PRIVATE LIMITED, New Delhi
PRENTICE-HALL OF JAPAN, INC., Tokyo
PRENTICE-HALL OF SOUTHEAST ASIA PTE. LTD., Singapore
WHITEHALL BOOKS LIMITED, Wellington, New Zealand

nce

m

")

חוור 0

JXi-

: с Еа.

3

er,

icu

:17

he

itv

ul.

its tt

d .

Table 2.2 Range of Values of Hydraulic Conductivity and Permeability

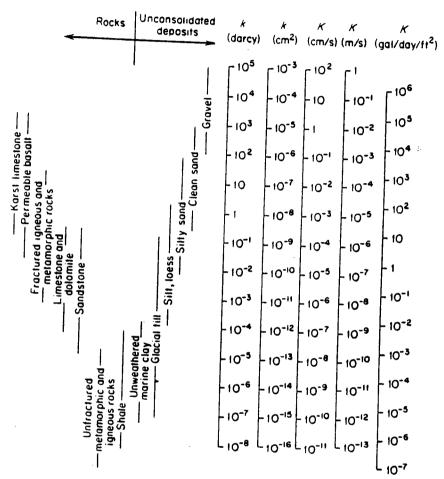


Table 2.3 Conversion Factors for Permeability and Hydraulic Conductivity Units

·	Permeability, &*			Ну	draulic conducti	vity, K
	cm <sup>2</sup>	ft²	darcy	m/s	ft/s	U.S. gal/day/ft²
cm <sup>2</sup> ft <sup>2</sup> darcy m/s ft/s U.S. gal/day/	1 9.29 × 10 <sup>2</sup> 9.87 × 10 <sup>-9</sup> 1.02 × 10 <sup>-3</sup> 3.11 × 10 <sup>-4</sup> ft <sup>2</sup> 5.42 × 10 <sup>-10</sup>	1.08 × 10 <sup>-3</sup> 1 1.06 × 10 <sup>-11</sup> 1.10 × 10 <sup>-6</sup> 3.35 × 10 <sup>-7</sup> 5.83 × 10 <sup>-13</sup>	1.01 × 108 9.42 × 1010 1 1.04 × 103 3.15 × 104 5.49 × 10-2	9.80 × 10 <sup>2</sup> 9.11 × 10 <sup>3</sup> 9.66 × 10 <sup>-6</sup> 1 3.05 × 10 <sup>-1</sup> 4.72 × 10 <sup>-7</sup>	3.22 × 10 <sup>3</sup> 2.99 × 10 <sup>6</sup> 3.17 × 10 <sup>-5</sup> 3.28 1 1.55 × 10 <sup>-6</sup>	1.85 × 10° 1.71 × 10°12 1.82 × 10°1 2.12 × 10°6 6.46 × 10°5

<sup>\*</sup>To obtain k in ft<sup>2</sup>, multiply k in cm<sup>2</sup> by 1.08  $\times$  10<sup>-3</sup>.

\*: . + 4

A ... st.

## REFERENCE NO. 11

OBS	SIAIE	NAME		LATNUM	L ONNUM	NETPREC
.74.	26	ELKO WSO	R	40.50	115.47	3.9823
1761 1762	26 26	WINNEHUCCA WSO	//R	40.54	117.48	2.5945
1163	26 26	WILS		41.07	114.58	3.8866
1764	26	CONTACT		41.47	114.45	2.8738
1765	26	OWYHEE		41.57	116.06	5.9976
1766	21	NASHUA 2 NNW		42.47	11.29	23.7651
1767	21	PETERBORO 2 S		42.51	11.57	23.6732
1768	21	KEENE		42.55	12.11	19.8050
1769	ži	MASSABESIC LAKE		42.59	71.24	19.8753
1776	21	SURRY MOUNTAIN DAM	R	43.00	72.19	18.5269
1771	21	DURHAH		43.08	70.56	23.9858
1772	ŽÌ	CONCORD WSO	R	43.12	71.30	18.2330
1773	21	BLACKWATER DAM	R	43.19	71.43	22.5086
1114	21	LAKEPORT		43.33	71.28	21.6009
1115	21	LEBANON FAA AIRPORT		43.38	72.19	16.6971
1776	21	HAMOVER		43.42	72.11	17.8320 24.1205
1777	21	MOODSTOCK		43.59	71.41	37.6073
1778	21	PINKHAN NOTCH		44.16	71.15 71.1 <b>6</b>	76.0940
1779	27	MI. WASHINGTON WSO		44.16		17.3621
1780	21	DETHLEHEM		44.17 45.05	71.4 <b>1</b> 71.17	24.1798
1781	21	FIRST CONN LAKE		47.07	74.56	17.9246
1782	28	CAPE HAY I MY		38.57	14.52	19.0232
1783	28	BELLEPLAIN ST FOREST MILLVILLE FAA AIRPORT		39.15 39.22	75.04	19.0414
1764	28	MILLAILLE LAA AIRPURI		39.23	14.26	17.0983
1785	28	ATLANTIC CITY MARINA		39.27	74.34	19.0678
1786	28	ATLANTIC CITY WSO		39.28	75.18	16.6988
1787	28	SHILON 2 NNE		19.19	74.48	19.6846
1786	28	GLASSBORO		39.42	15.07	19.9029
1789	28	INDIAN MILLS 2 W		19.48	74.47	20.4249
1790	28 · 28	PEMBERION 3 E		19.58	74.38	20.0246
1791	28	HOORESTOWN		19.58	74.50	19.2450
1/92		TRENTON WSO	R	40.13	74.46	17.6355
1194	28	FRECHOLD		40.16	74.15	21.6099
1195	26	HIGHTSTOWN 1 N		40.17	74.31	19.9454
1796	28	I ONG BRANCH 2 S		40.19	74.01	22.6468
1197	28	I AMBERTVIILE		40.22	74.57	19.6500
1798	26	NEW BRUNSWICK		40.29	74.26	20.7743
1/99	28	FLEMENGTON 1 NE		40.31	74.51	22.6137 23.1843
1800	28	PLAINFIELD		40.36	74.24	
1801	28	SOMERVILLE 3 MW	_	40.36	74.38	20.7771 18.7257
1802	28	NEWARK WSO	R	40.42	74.10	20.3230
1803	28	JERSEY CITY		40.44	74.03 74.21	24.3936
1804	26	CANOE BROOK		40.45	74.21 74.47	26.5163
1805	26	LONG VALLEY		40.47	74.17	24.1529
1806	28	ESSEX FELLS SERV BLDG		40.50	74.30	25.4324
1807	28	HORRIS PLAINS 1 W BELVIDERE LITTLE FALLS BOONTON 1 SE CHARLOTIEBURG NEWTON SUSSEX 1 SE COLUMBUS		40.50 40.50	75.05	21.1412
1808	. 28	BILVIDERE		40.50 40.53	75.05	24.5383
1809	28	LITILE TALLS		40.54	74.24	24.0122
1810	20	BUURIUM I St		41.02	74.26	21.3932
1611	28	CHANLUITEBUNG		41.03	74.45	20.6616
1812	28	MINIUM		41.12	74.36	21.7773
1813	28	COLUMBUS		31.50	107.39	0.2019
1614	29	JAL		32.07	103.12	0.0000
1815	29	JAL		<b></b>		

REFERENCE NO. 12

#### WATERA FILE - 12/12/88

NUMBER: 5302

NAME: CAMDEN CITY, WATER DIVISION

STREET: ROOM 419A, CITY HALL

CITY: CAMDEN

STATE: NJ

ZIP: 08101-

ATTN:

PHONE:

CONTACT: FRED MARTIN

CTITLE:

CPHONE: (609)757-7680

COUNTY1: 07

COUNTY2:

BASIN1: DDEL

BASIN2:

CRITAREA: 2 "

NOTES1:

NOTES2:

NOTES3:

ZONE:

PINELAND: N

2

WATERUSE: P

MGY:

0.0

MGM:

1048.000

GPM:

42474

PFLOW:

0.0

EFDATE:

02/06/1986

EXDATE:

07/01/1988

PERMTYPE: G

MGD: 33.81

HEARING:

STAFF: \*

DEH

UFDATE:

02/07/1986

## WSOURCE FILE -

NUMBER: 5302

ZONE:

SOURCEID: 3104251

PINELAND: N

LOCID:

MORRIS 10

GEO1:

GKMR

USGSUID:

070379

GE02:

LAT:

395919

DEPTH:

118

LON:

750302

DOPEN:

75

LLACC:

BOPEN:

115

NJGRID:

3102252

DIAMETER: 18

COUNTY:

07

CAPACITY: 1400

WELLDATE: 11/29/1960

MUN:

27

MGM: 0.000

BASIN:

DDEL

FLAG:

CRITAREA: 2

NUMBER:

5302

ZONE:

SOURCEID: 5100076

MORRIS 9

PINELAND: N GEO1:

**GKMR** 

LOCID: USGSUID:

070374

GE02: DEPTH:

...148

LAT: LON: ----395**2**06 750313

DOPEN:

LLACC:

BOPEN:

143

NJGRID:

3102251

COUNTY:

DIAMETER: 26

07

WELLDATE: 07/03/1932

CAPACITY: 1670

MUN:

BASIN:

NUMBER:

5302

ZONE:

SOURCEID: 3104252

PINELAND: N

LOCID:

MORRIS 4

GE01:

**GKMR** 

USGSUID:

070383

GE02:

LAT:

395929

DEPTH:

134

LON:

750253

DOPEN:

95

LLACC:

BOPEN:

130

NJGRID:

3102229

COUNTY:

DIAMETER: 18

WELLDATE: 10/24/1960

MUN:

07 27

CAPACITY: 1600

BASIN:

DDEL.

MGM:

0.000

CRITAREA: 2

FLAG:

NUMBER:

5302

ZONE:

SOURCEID: 5100051

PINELAND: N

LOCID:

MORRIS 6

GE01:

**GKMR** 

USGSUID:

070373

**GEO2:** 

LAT:

395900

DEPTH:

138

LON:

750318

DOPEN:

98

LLACC:

133

3102254

BOPEN:

NJGRID: COUNTY:

07

DIAMETER: 26

WELLDATE: 07/11/1932

MUN:

CAPACITY: 1700

27

BASIN:

DDEL

MGM:

NUMBER: 5302 ZONE:

SOURCEID: 3116813

PINELAND: N

LOCID:

MORRIS 13

GEO1:

**GKMR** 

USGSUID:

070587

GE02:

LAT:

395905

DEPTH:

135

LON:

750333

DOPEN:

90

LLACC:

BOPEN:

130

NJGRID:

3102243

DIAMETER: 18

CAPACITY: 2060

COUNTY:

97

WELLDATE: 06/04/1980

MUN:

27

MGM:

0.000

BASIN:

DDEL

FLAG:

CRITAREA: 2

NUMBER:

5302

PINELAND: N

SOURCEID: PROPOSED

GE01:

ZONE:

**GKMR** 

LOCID: USGSUID: MORRIS 14

GE02:

LAT:

DEPTH:

LON:

DOPEN:

LLACC:

BOPEN:

NJGRID:

DIAMETER:

COUNTY:

07

WELLDATE:

MUN:

27

CAPACITY: 2060

DDEL

NUMBER:

5302

ZONE:

SOURCEID: 3116814

PINELAND: N

LOCID:

MORRIS 12

GEO1:

**GKMR** 

USGSUID: 070586

GE02:

LAT: 395914 DEPTH:

122

LON:

750324

DOPEN:

86

LLACC:

BOPEN:

117

NJGRID:

3102243

COUNTY:

97

DIAMETER: 18

CAPACITY: 2030

WELLDATE: 01/07/1981

MUN:

27

0.000

BASIN:

DDEL

MGM:

CRITAREA: 2

FLAG:

NUMBER:

5302

ZONE:

SOURCEID: 3115745

PINELAND: N

LOCID:

MORRIS 11

GE01:

**GKMR** 

USGSUID:

070545

GE02:

LAT:

395900

DEPTH:

149

LON:

750325

102

LLACC:

BOPEN:

DOPEN:

144

NJGRID:

3102249

DIAMETER: 16

COUNTY:

07

WELLDATE: 08/01/1979

CAPACITY: 2030

MUN:

27

MGM:

0.000

BASIN:

CRITAREA: 2

DDEL

NUMBER: 5302

ZONE:

SOURCEID: 5100050

MORRIS 1

750211

PINELAND: N

LOCID:

USGSUID: 070390 GE01: **GKMR** 

GE02:

LAT: 395944

DEPTH: 107

LON:

DOPEN:

LLACC:

BOPEN:

NJGRID: 3102235 DIAMETER:

COUNTY: 07

WELLDATE: / /1961

MUN: 27

CAPACITY: 1600

BASIN: DDEL

MGM: 0.000

CRITAREA: 2

FLAG:

#### WSOURCE FILE - 12/12/88

NUMBER: 5302

ZONE:

SOURCEID: 3100945

PINELAND: N

LOCID: MORRIS 3 GEO1: \*\* GKMR

USGSUID: 070386

GE02:

395933 DEPTH:

107

LAT:

103

LON:

750229

3102237

27

DDEL

BOPEN: 107

LLACC:

NJGRID:

DOPEN:

DIAMETER: 18

COUNTY: 07

WELLDATE: 07/28/1953

MUN:

CAPACITY: 1800

BASIN:

0.000

NUMBER: 5302

SOURCEID: 5100052

LOCID: MORRIS 7

USGSUID: 070377

LAT: 395916

LON: 750303

LLACC:

NJGRID: 3102251

COUNTY: 07

MUN: 27

BASIN: DDEL

CRITAREA: 2

ZONE: 4

PINELAND: N

GEO1: GKMR

GE02:

**DEPTH:** 125

DOPEN: 85

**BOPEN:** 120

DIAMETER: 26

WELLDATE: 08/07/1932

CAPACITY: 1680

MGM:

0.000

FLAG:

#### WSOURCE FILE - 12/12/88

NUMBER: 5302

SOURCEID: 3100944

LOCID: MORRIS 8

USGSUID: 070375

LAT: 395910

LON: 750307

LLACC:

NJGRID: 3102251

COUNTY: 07

MUN: 27

BASIN: DDEL

CRITAREA: 2

ZONE: 4

PINELAND: N

GEO1: GKMR

GE02:

DEPTH: 128

DOPEN: 89

BOPEN: 124

DIAMETER: 18

WELLDATE: 07/29/1953

CAPACITY: 1670

MGM: 0.000

NUMBER: 5302

ZONE:

SOURCEID: PROPOSED

PINELAND: N

LOCID:

MORRIS 15

**GKMR** 

USGSUID:

GE02:

GE01:

LAT:

DEPTH:

LON:

DOPEN:

LLACC:

BOPEN:

NJGRID:

DIAMETER:

COUNTY: 97

MUN: 27 WELLDATE: / /

CAPACITY: 2060

MGM:

0.000

BASIN: DDEL

FLAG:

CRITAREA: 2

NUMBER: 5302 ZONE:

SOURCEID: 5100053

PINELAND: N

LOCID:

DELAIR 1

GEO1: **GKMR** 

USGSUID:

070368

GE02:

LAT:

395848 DEPTH:

LON:

DOPEN:

106

LLACC:

BOPEN:

126

141

NJGRID:

3102247

DIAMETER: 26

COUNTY:

WELLDATE: 10/31/1930

CAPACITY: 1680

MUN:

27

07

BASIN:

DDEL

750347

NUMBER: 5302 - ZONE:

SOURCEID: 5100054

PINELAND: N

LOCID: DELAIR 2 GE01:

GKMR

USGSUID: 070369

GE02:

LAT:

395851

3102247

DEPTH:

146

LON: 750355 DOPEN:

111

LLACC:

NJGRID:

BOPEN:

141

DIAMETER: 26

COUNTY: 07 WELLDATE: 10/31/1930

CAPACITY: 1830

MUN:

BASIN:

27 DDEL

MGM:

0.000

CRITAREA: 2

FLAG:

## 

NUMBER: 5302 ZONE:

SOURCEID: 5100055

PINELAND: N

LOCID: DELAIR 3 GEO1: GKMR .

USGSUID: 070370

GE02:

LAT: 395853

135 DEPTH:

LON: 750348

3102247

27

DDEL

DOPEN: 86

BOPEN:

126

LLACC:

NJGRID:

WELLDATE: 10/31/1930

DIAMETER: 26

07 COUNTY:

MUN:

CAPACITY: 1830

BASIN:

0.000

NUMBER: 5302

ZONE: 2

30URCEID: 5100056

PINELAND: N

LOCID:

PUCHACK 1

GE01:

**GKMR** 

USGSUID: 070366

GE02:

LAT:

395845

DEPTH:

141

LON:

750312

DOPEN:

107

LLACC:

**BOPEN:** 136

NJGRID:

3102257

COUNTY:

07

WELLDATE: / /1961

DIAMETER: 18

CAPACITY: 1500

MUN:

27

0.000

BASIN: DDEL

FLAG:

MGM:

CRITAREA: 2

## WSOURCE FILE - 12/12/88

NUMBER:

5302

ZONE:

SOURCEID: 5100057

PINELAND: N

LOCID:

PUCHACK 2

GEO1:

**GKMR** 

USGSUID:

070363

395842

DEPTH:

GE02:

169

LON:

LAT:

750312

DOPEN:

126

165

LLACC:

BOPEN:

NJGRID:

3102257

DIAMETER:

COUNTY:

07

CAPACITY: 1000

WELLDATE: 02/ /1924

MUN:

**2**7

0.000

BASIN:

NUMBER: 5302

ZONE: 2

SOURCEID: 5100058

PINELAND: N

LOCID: PUCHACK 3

GED1: GKMR

USGSUID: 070367

GE02:

LAT:

395840

DEPTH: 176

LON:

750307

DOPEN: 127

LLACC:

**BOPEN:** 170

NJGRID: 3102257

DIAMETER: 26

CAPACITY: 1280

COUNTY: 07

WELLDATE: / /1939

MUN:

0.000

BASIN: DDEL

FLAG:

MGM:

CRITAREA: 2

NUMBER: 5302

ZONE: 2

SOURCEID: 5100059

PINELAND: N

LOCID:

PUCHACK 5

GE01: **GKMR** 

USGSUID: 070359

GE02:

LAT:

**3938**35

**DEPTH:** 186

181

LON:

750308

3102281

DOPEN: 136

LLACC:

BOPEN:

COUNTY:

NJGRID:

07

WELLDATE:

DIAMETER:

MUN:

CAPACITY: 1324

BASIN:

27

0.000

CRITAREA:

NUMBER: 5302

ZONE:

SOURCEID: 5100061

PINELAND: N

LOCID: CITY 11

GEO1:

GKMR

USGSUID: 070046

GE02:

LAT:

395512

DEPTH:

159

LON:

750640

DOPEN: 124

LLACC:

NJGRID:

BOPEN:

154

DIAMETER:

COUNTY: 07

WELLDATE: /

MUN: 08

CAPACITY: 1010

BASIN:

DDEL

3101953

MGM:

0.000

CRITAREA: 2

FLAG:

NUMBER: 5302

ZONE: 2

SOURCEID: 3100904

PINELAND: N

LOCID: CITY 13

GE01: **GKMR** 

USGSUID: 070068

GE02:

LAT:

395557 DEPTH:

230

LON: 750535

NJGRID: 3102712

DDEL

DOPEN:

185

LLACC:

BOPEN:

225

COUNTY: 07 DIAMETER: 18

WELLDATE: 06/19/1955

MUN: 08

CAPACITY: 1200

BASIN:

MGM:

CRITAREA: 2

NUMBER: 5302

2 ZONE:

SOURCEID: 3101250

PINELAND: N

LOCID: CITY 17

GEO1:

**GKMR** 

USGSUID: 070064

GE02:

LAT:

395546

DEPTH:

270

LON:

750533

DOPEN: 230

265

LLACC:

BOPEN:

NJGRID:

3102715

COUNTY: 07

DIAMETER: 18

MUN: 08

WELLDATE: 05/13/1954

CAPACITY: 1500

MGM:

0.000

CRITAREA: 2

BASIN: DDEL

FLAG:

NUMBER: 5302 ZONE:

2

SOURCEID: 3109574

PINELAND: N

LOCID:

CITY 18

GEO1:

GKMR

USGSUID: 070527

GE02:

LAT:

395550

DEPTH:

290

LON:

750537

DOPEN:

LLACC:

BOPEN:

NJGRID:

3102712

DIAMETER: 18

CAPACITY: 1200

COUNTY:

07

WELLDATE: / /1976

MUN:

08

DDEL

BASIN:

CRITAREA: 2

MGM:

NUMBER: 5302

ZONE: 2

SOURCEID: 3104649

PINELAND: N

LOCID:

CITY 5

GE01:

GKMR

USGSUID:

070039

GE02:

LAT:

395457

3101956

DEPTH:

171

LON:

750640 DOPEN:

BOPEN:

141 171

LLACC:

NJGRID:

DIAMETER:

COUNTY: 07

WELLDATE: / /

CAPACITY: 1100

MUN:

08

MGM:

0.000

BASIN:

DDEL

CRITAREA: 2

NUMBER: 5302

ZONE: 2

SOURCEID: 3108526A

PINELAND: N

LOCID:

PUCHACK 7

GE01:

**GKMR** 

USGSUID:

070528

DEPTH:

GE02:

180

LAT: LON: 395835 750302

DOPEN:

140

LLACC:

BOPEN:

180

NJGRID:

3102281

DIAMETER: 18

COUNTY:

07

WELLDATE: 01/

CAPACITY: 2260

/1975

MUN:

27

MGM:

0.000

BASIN:

DDEL.

FLAG:

CRITAREA: 2

## WSOURCE FILE - 12/12/88

5302 NUMBER:

ZONE:

SOURCEID: 5100060

PINELAND: N .

LOCID:

CITY 7

GEO1: **GKMR** 

USGSUID:

070039

GE02:

LAT:

395457

DEPTH:

163

163

2

LON:

750640

123 DOPEN:

LLACC:

BOPEN:

NJGRID:

3101956

DIAMETER:

WELLDATE:

COUNTY:

07

MUN:

CAPACITY: 1500

/ /

BASIN:

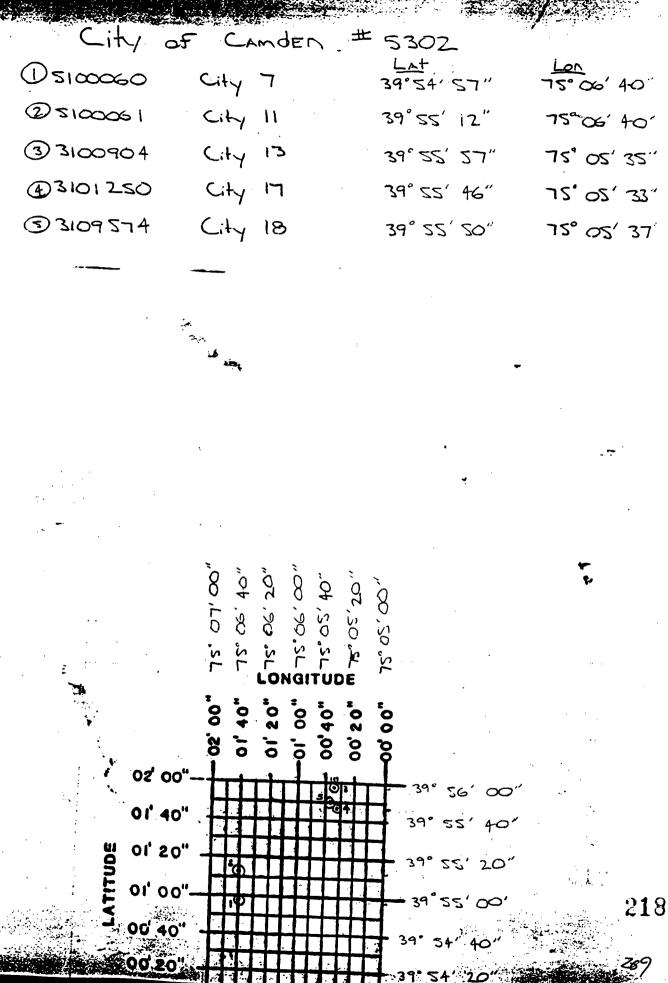
08

DDEL

MGM:

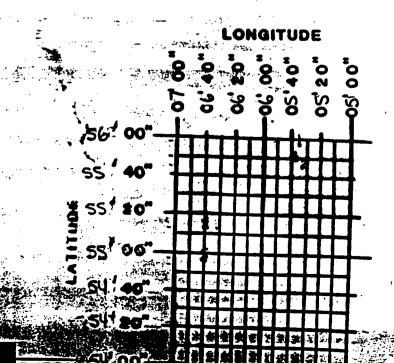
0.000

CRITAREA: 2



## CITY OF CAMDEN # 5302

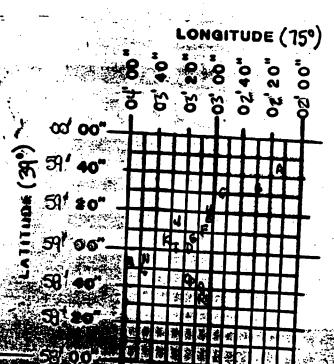
- 1 <b>2</b>		द्व				
Source 10		LOCID -	LAT		LON	CRITAREA
			39°55′57"			2
31 - 1250	-	CITY 17 - (2) _	- 39° 55′ 46"	,	75° 05′ 33″	2
31 - 4574	-	CITY 18 - (3) -	- 39° 55′,50″	,	75° 05′ 37"	2
51-61	_	CITY 11 - (4) -	390 55 12"	,	75°06'40"	•
51-60	-	CITY 7 - (5)	39° 54 57"	,	75° 06'40"	



# CITY OF CAMDEN # 5302

20EID	COCID &
51 - 50	MORRIS 1 - (A) - 39° 59'44", 75°02'11"
31 - 945	MORRIS 3 - (B) - 39° 59' 33", 75 02 29
31-4252	MORRIS 4 - (c) - 39° 59' 29", 75 02 53
51-51	monas 6 - (0) - 39 59 00 , 75 03 18
51-52	MORRIS 7 - (E) - 39 59 16 , 75 03 03
31-944	mannes 8 - (F) - 39 59 10 , 75 03 07
51-76	monais 9 - (6) - 29 59 06 , 75 03 13 -
31-4251	MORRIS 10 - (H) - 39 59 19 , 75 03 02
31-15745	monais 11 - (I) - 39 59 00 , 75 03 25
31 - 16814-	MORRES 12 - (J) - 39 59 14 , 75 03 24
.8/3	MORNIS13 - (K)- 39 59 05 , 75 03 33
5/- 53	DECAIR 1- (L)- 31 58 48 , 75 03 47
51-54	DELAIR 2 - (M) - 39 58 51 , 75 03 55
51-55	DECAIR 3 - (N) - 39 58 53 , 75 03 48
•	

(over)



220

75°03' 12" 39° 58' 45" - PUCHACK 1 - (0) -51-56 75 03 12 39 58 42 1-57 - PUCHACK 2- (P) -75 03 07 51-58 - PUCHACK 3-(Q)-58 40 39 1-59 - PUCHACK 5-(R)-75 03 08 58.35 39 75 03 02 '-8526A - PUCHACK 7-(S)-39 58 35

				•	
211	permit	January	February	March	
Morris 3	31-945	0	0	17,025,000	17,025,000
orris 4	31-4252	0	<b>337,</b> 500	2,281,500	2,619,000
Marris 6	51-51	0	O	0	o
Jarris 7	51-52	46,872,000	41,186,250	41,674,500	1 <b>29,</b> 732,750
orris 8	31-944	0	0	0	o
Morris 10	31-4251	29,145,000	36,870,000	41,520,000	107,535,000
orris 11	31-15745	46,872,000	41,185,620	46,872,000	134,929,620
Morris 12	31-16814	53,568,000	48,384,000	53,568,000	155,520,000
orris 13 .	31-16813	53,548,000	48,384,000	<b>53,5</b> 48,000	155,520,000
Plair 1	51-53	22,320,000	20,160,000	22,320,000	64,800,C00
<b>S</b> S	51 -54	0	0	0	n
elair 3	31-55	29,016,000	26,208,000	29,016,000	84,240,000
Puchack 1	51-56	58,032,000	52,416,000	58,032,000	168,480,000
ity 11	51-61	0	8,736,000	31,248,000	39,984,000
Parkside 17	31-1250	26,784,000	24,192,000	26,784,000	77,760,000
Parkside 18	31-9574	40,176,000	36,288,000	40,176,000	116.640,000
	<b>7</b> -	406,353,000	<b>384,</b> 34 <b>7,</b> 370	464,085,000	1,254,785,370

## DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION CN 029, TRENTON, NJ. 08625

## PUBLIC WATER SUPPLY DIVERSION-REPORT

## SIRUCTIONS:

Reports must be filed within 30 days following the close of each quarter.

Report all quantities in units of 1,000 gallons.

Use reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to other systems.

Obtain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you.

The sums of Items 1 and 2 should equal the sums of Items 3 and 4.

Other data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

TREET ADDRESS  THE QUARTER ENDING: March 31 Sept. 30	CAMDEN CITY, DIV. OF WAT ROOM 419A, CITY HALL CAMDEN  FOR THE YEAR:  19	J 08101 SUMMARY C	STATE  OF DIVERSION IN UNIT	
June 30 Dec. 31		1st Month	2nd Month	3rd Month
Diversion from own sources	Surface	0	0	0
	Wells	488,782,950	452,130,600	473,728,650
• •	Total	488,782,950	452,130,600	473,728,650
Received from other system.	s (see 6)	0	0	0
B. Delivered to other systems	(see 7)	0	0	0
Net diversion for territory	erved (see 8)	488,782,950	452,130,600	473,728,650
	1? If estimated, give basis of estimate a sed upon hours of op a received Raritan-Magot	eration and	well tests	
. Systems to which water is d	elivered City of Camde	en, exclusiv	<del></del>	12th wards
Municipalities supplied in te			11	
9. Population supplied in terri	tory served approx. 50	,000		
Summer population (if diffe	erent than above)			
0. Number of service connecti	ions in territory served 14,435	•		
Number of service meters in	n territory served13,714	•		
rederick H. Mart	in, Jr. Director of	Utilities	Att	
Name (Please Print)	Title	<b>B</b>	S	ignature

# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION

CN 029, Trenton, N.J. 08625-0029

PUBLIC WATER SUPPLY DIVERSION REPORT

DNS:

Reports must be filed within 30 days following the close of each quarter.

eport all quantities in units of 1,000 gallons.

'se reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to other systems.

ibtain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you.

the sums of Items 1 and 2 should equal the sums of Items 3 and 4.

Other data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

AME OF PERMITTEE  City of Camder	WATER ALLOCATION PERMIT # 5302						
i EET ADDRESS		ITY	STATE	ZIP			
	y Hall 📑 🚬 Camo	ien	NJ	_ 08101			
OR THE QUARTER ENDING: . March 31	FOR THE YEAR:	SUMMARY	OF DIVERSION IN UNI	TS OF 1.000			
. March 31 ☐ Sept. 30 ☐ Dec. 31	1990	1st Month	2nd Month	3rd Month			
. Diversion from own sources	Surface	0	0	0			
-	Wells*	432,063,000	424,408,000	417,834,000			
	Total	432,063,000	424,408,000	417,834,000			
. Re d from other systems (see 6)		0	0	0			
Delivered to other systems (see 7)		Ö	0	0 💂			
. Net diversion for territory served (see 8)		432,063,000	424,408,000	417,834,000			
. How is diversion determined? If estimated Estimate based upon hours		e	ll usage on reverse side	of form			
5. Systems from which water is received	Raritan-Magothy	aquifer					
Systems to which water is delivered	City of Camden,	exclusive of 1	lth and 12th wa	ards			
? Municipalities supplied in territory served	11 11						
Population supplied in territory served	approximately 5	0,000					
Summer population (if different than above	Summer population (if different than above)						
). Number of service connections in territory	served <u>13,980</u>						
Number of service meters in territory serve	ed13,427						

Frederick H. Martin, Jr.

Name (Please Print)

Director of Utiliti

Tiel

A Mart

October 2, 1990

Data

IC WATER LEVEL DATA		Method Used —	Air Line Tape		(Check appropriate box)	
<u> </u>	Well Permit No.	Date Taken	Site E	levation	Level*	Total Head**

Pepth to Water in Feet

'surements in Feet From Sea Level (Total Head = Site Elevation - Static Level)

ORIDE ANALYSIS

Permit No.

Date Taken

Analysis Results

TOUAL WELL U	SAGE***				
Well No.	Well Permit No.	Month 1	Month 2	Month 3	
^ity ll	51–61 ✓	9,564.00	12,412.75	<b>3,286.</b> 50	
orris 3	31-945,	23,175.00	34,815.00	40,665.00	
4	31-4252-/	3,927.00	8,085.00	8,799.00	
7	51-52 ✓	<b>45,360.</b> 00	37,926.00	<b>45,312.7</b> 5	
8	31-944 🗸 📩	25,920.00	17,145.00	25,893.00	
10	31 <b>–</b> 4251 / .	38,205.00	31,305.00	36,078.00	
11	31–15745 <sup>/*</sup>	45,360.00	<b>30,5</b> 86.50	23,499.00	
_ 12	31 <b>–</b> 16814′	<b>( )                                   </b>	49,104.00	42,768.00	
13	31–16813	45,93€.00	48,658.50	43,098.00	
Delair 1	51-53 / DE	PT. ERV. BENEDATION	2,227.50	•	
3	51-55	27.144.00URCES	27,582.75	<b>28,0</b> 50.75	
'uchack 1	<b>51–</b> 56 <sup>√</sup> ''	56,160.00 <sup>119</sup>	58.032.00	56,160.00	
Parks. 17	31-1250 /	<b>25,516.80</b> 0	<b>26.</b> 611.20	25,689.60	
18	31 <b>-</b> 9574 <sup>/</sup>	38,275.20	<b>39,</b> 916.80	38,534.40	

# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION CN 029, Trenton, NJ. 08625-0029

## PUBLIC WATER SUPPLY DIVERSION REPORT

UCLIONS:

Reports must be filed within 30 days following the close of each quarter.

port all quantities in units of 1,000 gallons.

Use reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to other systems.

tain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you. The sums of Items 1 and 2 should equal the sums of Items 3 and 4.

C 'ter data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

City of Ca	mden, U		s Department	53	OCATION PERMIT #	
Room 419A,			y amden	STATE NJ	ZIP - 08101	
F HE QUARTER ENDING: urch 31 🗶 Sept. 30	FOR THE Y	EAR:	SUMMARY O	F DIVERSION IN UN	ITS OF 1,000	
June 30	1990		1st Month	2nd Month	3rd Month	
I' rersion from own sources	Su	rface	0	υ,	0	
•	W	ells*	451,543.5	441,696.8	376,662	
	To	otal	451,543.5	441,696.8	376,662	
Received from other systems (see 6)			· .			
I livered to other systems (see 7)					-	
Nat diversion for territory served (see 8)				441,696.8	376,662	
How is diversion determined? If estimate	ed, give basis	of estimate	* List individual well usage on reverse side of form			
Estimate based upon h			on and well	tests	-	
Systems from which water is received	Rari	tan-Mago	othy aquifer			
, stems to which water is delivered	ity of	Camden,	exclusive o	f 11th and	12th wards.	
inicipalities supplied in territory served	<u>+11</u>		11			
Population supplied in territory served _	approx	imately	50,000			
mmer population (if different than abo	ve)					
Number of service connections in territor	y served	13,930		·		
Imber of service meters in territory serv	ed	13,388				
				<del> </del>		

derick H. Martin,	Jr.	Utilities	Differen	f With	7
ame (Please Print)		Title		nature	<u>,                                     </u>

October 25, 1990

	Permit	July	August	September	Total
rris 3	31-945	39,105,000	21,660,000	10,755,000	71,520,000
is 4	31-4252	3,990,000	7,749,000	609,000	12,348,000
rris 6	51-51	648,000	648,000	0	1,296,000
ris 7	51-52	<b>45,</b> 344,250	44,556,750	45,234,000	135,135,000
⁻is 8	31-944	25,335,000	8,640,000	O	33,975,000
rris 10	31-4251	35,595,000	<sup>.6</sup> <sub>[9,</sub> 31,905,000	38,055,000	105,555,000
-is 11	31-1574	45,659,250	46,620,000	45,360,000	137,639,250
rris 12	31-1681	47,256,000	47,866,500	47,520,000	142,642,500
.ris 13 .	31-1681	47,272,500	47,866,500	47,520,000	142,659,000
air 1	51-53	o	16,713,000	38,880,000	55,593,000
lair 2	51-54	O <sub>.</sub>	0	O	
air 3	51-55	11,524,500	27,924,000	26,208,000	65,656,500
chack 1	51-56	58,032,000	58,032,000	56,160,000	172,224,000
_ y 11.	51-61	24,822,000	16,716,000	5,817,000	47,355,000
kside 17	31-1250	26,784,000	25,920,000	6,768,000	59,472,000
rkside 18	31-9574	40,176,000	38,880,000	7,776,000	86,832,000
•		•			
tal		451,543,500	441,696,750	376,662,000	1,269,902,250

## NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION **DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION**

CN 029, Trenton, N.J. 08625-0029



PUBLIC WATER SUPPLY DIVERSION REPORT

TI	01	VS.

rank A1-Greene

Name (Please Print)

- Reports must be filed within 30 days following the close of each quarter.
- Report all quantities in units of 1,000 gallons.
- Use reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to other systems.
- Obtain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you.
- The sums of Items 1 and 2 should equal the sums of Items 3 and 4.
- Other data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

	5302 Campal city				
NAME OF PERMITTEE	CAMDEN CITY, WATE FOOM 419A, CITY H	WATER ALLO	WATER ALLOCATION PERMIT #		
. REET ADDRESS	CAMDEN, NJ 03101 ATTN: .,	<b></b> -	STATE	ZIP	
FOR THE QUARTER ENDING:   March 31	FOR THE YEAR:	SUMMARY	OF DIVERSION IN UN	TTS OF 1,000	
June 30 🔀 Dec. 31	1990	1st Month	2nd Month	3rd Month	
1. Diversion from own sources	Surface			•	
-	Wells*	386,194	395,952	411,094	
	Total	386,194	395,952	411,094	
2. A ed from other systems (see	6)				
Delivered to other systems (see 7)				· <b>~</b>	
4. Net diversion for territory served (	see 8)	386,194	395,952	411,094	
5. How is diversion determined? If e	stimated give basis of assistance	* List individual we	ll usage on reverse side	of form	
May be go the	based on hours of w		measured well	output.	
6. Systems from which water is received	ed Raritan-Magothy	aquifer	·		
Systems to which water is delivered	City of Camden, exc	lusive of 11th	and 12th ward	s	
8. Municipalities supplied in territory	served ***				
. Population supplied in territory ser	ved approximately	50,000			
Summer population (if different th	an above)				
10. Number of service connections in t	erritory served	13,972			
Number of service meters in territor	ry served	13,431			
		^	^	•	
· · · · · · · · · · · · · · · · · · ·			10	,	

Supervising Program Analyst

Title

April 1, 1991

Date

IC WATER	LEVEL DATA	Method Used — N	(Some     Airline	Птото	(Check appropriate box)	• ,
<u>Vo.</u>	Well Permit No.	Date Taken		Elevation_	Level*	Total Head**
		P T T T T T T T T T T T T T T T T T T T		Lievauon		
	•		•			
ORIDE ANAI			٠ <del>٠</del> ٠,		-	
Permit No.		Date Taken			Analysis Results	
						٠
	_	•				. ••
					<u> </u>	
					<u>ក</u> ្ន	
	•					
					2	4-
					•	4.
					ī.	•
TOUR NE	LL USAGE***	· · · · · · · · · · · · · · · · · · ·	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>			
IDUAL WE	LL USAGE.					

\*Units of 1,000

	Permit	October	November	December	Total
Morris 3	31-945	13,470,000	14,490,000	22,945,000	50,925,000
orris 4	31-4252	2,037,000	• 0	42,000	2.079,000
Morris 5	51-51	O	Ô	o	o
<b>3r</b> r15 7	51-52	40,792,500	37,847,250	46.746,000	125,385,750
Marris 8	31-944	- 0	o	o	0
mornis 10	31-4251	27.480.000	17,190,000	7,560,000 <sub>-</sub>	52.230,000
ornis II	31-1574	40,934,250	41,406.750	46.872.000	129,213,000
Morris 12	31-1681	49,104,000	47,520,000	49,104,000	145,728,000
orris 13 <sub>.</sub>	31-1681	49,104,000	47,520,000	49,104,000	145,728,000
Delair 1	51-53	40,054,500	38,880,000	35,005,500	113,940.000
שבע ֱיֻה a	51-54	0	<b>v</b>	9	0
≘lair 3	51-55	28,665,000	28,080,000	29,016.000	<b>85</b> ,761,000
Puchack 1	51 56	58,032,000	56,160,000	57,720,000	171,912,000
itv 11	51-61	3,108,000	2,058,000	o	<b>5,</b> 16 <b>6,</b> 000
Sarkside 17	31-1250	9,504,000	25,920,000	26,784,000	62,208,000
carkside 18	31-9574	23,908,500	38,880,000	40,176,000	102,964,500
	,				
Total		386,193,750	395,952,000	411,094,500	1,193,240,250

## NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION **DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION**

CN 029, Trenton, NJ. 08625-0029

#### PUBLIC WATER SUPPLY DIVERSION REPORT

#### TRUCTIONS:

Reports must be filed within 30 days following the close of each quarter.

Report all quantities in units of 1,000 gallons.

Use reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to other systems.

Obtain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you.

The sums of Items 1 and 2 should equal the sums of Items 3 and 4.

Other data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

CITY OF CAMDEN DEPARTMENT	OF UTILITIES	530°	
REET ADDRESS	CITY	STATE	ZIP
ROOM 419 A CITY HALL	CAMOEN		1 <u>7</u> 08103
OR THE QUARTER ENDING: FOR THE YEAR:  March 31	SUMMARY	OF DIVERSION IN UN	ITS OF 1,000
June 30	1st Month	2nd Month	3rd Month
Diversion from own sources Surface			
- Wells*	406,353	384,347	464.085
Total	406,353	384,347	464,085
. Received from other systems (see 6)	,		
Delivered to other systems (see 7)			<b>-</b>
. Net diversion for territory served (see 8)	406,353	384,347	464.085
. How is diversion determined? If estimated, give basis of estimated.  CALCULATED BASED ON HOURS of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state	te	A ND AAS A SUO	
5. Systems from which water is received			20 -0022 001791
Systems to which water is deliveredCTY OF CAMDE	N, EXCLUSIVE	OF ITH AM	12 TH WARDS
Municipalities supplied in territory served			
F. Population supplied in territory servedAPPROXIMATELY	50,000	·	
Summer population (if different than above)			
0. Number of service connections in territory served13	9 89	·	
Number of service meters in territory served13	449		

MANK AL-GREENE Name (Please Print) Supervising Program ANALYST MOLLY

IC WATER LEVEL DATA	Mathed II 1		· <b>-</b> -		
No. Well Permit	1100000 0,000 —		ite Elevation	(Check appropriate box	) Total <u>Head**</u>
•	·				
	vel (Total Head = Site Elevatio	on - Static Level)			
epth to Water in Feet  surements in Feet From Sea La  ORIDE ANALYSIS		on - Static Level)	· 	· · · · · · · · · · · · · · · · · · ·	
usurements in Feet From Sea La	evel (Total Head = Site Elevation  Date Taken	.3	· ·	Analysis Results	
DRIDE ANALYSIS		.3	· · · · · · · · · · · · · · · · · · ·	Analysis Results	
DRIDE ANALYSIS		.3	· .	Analysis Results	. •
ORIDE ANALYSIS		.3		Analysis Results	
DRIDE ANALYSIS		.3		Analysis Results	
ORIDE ANALYSIS		.3		Analysis Results	
ORIDE ANALYSIS		.3		Analysis Results	
ORIDE ANALYSIS		.3		Analysis Results	<b>*</b>
DRIDE ANALYSIS		.3		Analysis Results	<b>←</b>
ORIDE ANALYSIS		.3		Analysis Results	**

Hay 23 '91

\*-Units of 1,000

DWR-017 B

REFERÊNCE NO. 13

## WATERA FILE - 01/17/89

	변200 - 변200
	COLLINGSWOOD BOROUGH
organismo.	578 HADDON AVENUE
< a	CCLLINGSWOOD
the to	₩ű.
	02108-
s 4	JOHN MEIER .
ten a	(609)854-2302

JME: (609)854-2372

NTY1: -07

INC:

TAREA: 2

ZONE: 1

PINELAND: N

WATERUSE: P

MGY:

643.7

MCDM a

d Common (1997) year

GFMs

7020

PFLOW:

2.4

,EFDATE:

01/05/1989

HERMINE ELL

MGD: 5.00

HEARING: M

STAFF:

BAC

UPDATE:

01/17/1989

FLAC:

.NOTES1:

\*CTTEC:

NOTESS:

#### WSOURCE FILE - 01/17/89 .

75EE: 5209

CONE:

HUURCEID: 3104053

PINELSMIL N

. 010: 2R

BED1: Gamer

JEGEUID: 070174

GEC2:

3**9551**9

GR:0: 3102718

. TN: 750432

COPEN: LAS

MOFENS 178

DIAMELE: 11

METALLINE CONTRACTOR OF THE

1 m

EMPACIO DE O

RABIN. D

MEM: 0.000

FLAG:

CRITAREA: 2

#### WSOURCE FILE - 01/17/89

NUMBER: 5209

ZONE: 1

COUNTEED: SE04054

FINELAND: N

DOID: SR

GEO1: GKMR

भागामा स्थापन । अपूर्वे रूप**र** 

GEO2:

41:

395522

DEPTH: 290

LON:

750432

DOPEN: 257

\_LACC:

BOPEN: 287

JGRID: 3102725

COUNTY: 07

DIAMETER: 12

WELLDATE: 06/07/1960

CAPACITY: 800

UN: 12

0.000

BASIN:

MGM:

LRITARÉA: 42

#### WSOURCE FILE - HER MES TO

F1209 HUURDEID: 5:00030 . The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the x898UID: 070177 . 7: 575521 750435 <sup>a</sup>N s LLACCE GRID: 3102737

514 PASIN: D

LKITAREA: 2

WSOURCE FILE - 01/17/89

\*\* MBER: 5209 LURCEID: 1100079

: JCID: 5

..ccci.ip.

LAT: 395521

:OM: 750439

-\_ACC:

JGRID: 3102737

COUNTY: 07

JN: 12

-RITAREA: 2

English States

25 20 20 3

TOFFE Wo 

ethely: 197

Downers, to

212 441 4 7 4 7 4 7 7

with a contract of the second

FLAG:

ZGME: 1

DINELAND: W

GE01: GKMR

geng: ·

DEFTH:

511

DOPEN:

266

BOPEN: 306

DIAMETER: 12

WELLDATE: 02/16/1950

CAPACITY: 650

MGM: 0.000

#### WEOURCE FILE - 11/17/69

y<u>u</u>+ u. HairynJi

701177

11.11.11 11.11 11.11 11.11 11.11 11.11 11.11 11.11 11.11 11.11 11.11 11.11 11.11 11.11 11.11 11.11 11.11 11.11

/**E**0414

istrijist a

0.000

FLAG:

CHITAREA: 2

## WSOURCE FILE - 01/17/89

5209 · WEST :

TONE: 1

STABLINGS NO

t (CID:

GEO1: GKMR

LATE

395521

OEFTh:

512

į ON:

750439

OOPEN: 219

LLACC:

BOPEN: 312

: (GRID: 3102782

DIAMETER: 12

COUNTY: 07

WELLDATE: 03/31/1965

CAPACITY: 1000

MGM: 0.000

RASIN: D

: JN #

12

JRITAKÉM! 2

#### MEGURCE FILE - 01/17/99 \*

TONE:

CONTRACTOR CONTRACTOR

PINELAND: 4

GEO1: GKMR

EEF210: 070171

9E02:

-5425

OEPT-:

7.5 🚞

1. No. 4 E0514

DOPEN:

124

1.74.1.1

SOFEM: SIS

102781

DIAMETER: 12

HELLEYTER OF ETHER

DARA COTAL DOMESTIC

4211

mGM: 0.000

CRITAREA: 2

FLAG:

#### WSOURCE FILE - 01/17/89

"UMBER: 5209

ZONE: 4

ABOVE OF THE TON HOSPING

393318

752225

PINELAND: "

OCID:

GEO1:

1426211

GEOP:

AT:

DEPTH:

' SN:

DOFEN: .

LLACC: F

BOPEN:

ា 1

NJGRID: 3043561

DIAMETER:

COUNTY: 33

WELLDATE: / /

CAPACITY:

IUN:

MGM:

0.000

JRÍTAREA:

#### WSOURCE FILE - 01/17/89

The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon

ZOME: 3

-JLBUELD: HEWTON CREEK

PINELAND: M

.. ... ...

GEO1: SDL00

GEOGI

Tvi s

DEFTHS

DOFENE

BOPEN:

....

3102751

275425

750515

17 1 C 14 F 1 2 7 E

.

Colored to the second

 $-\frac{2}{3}\sqrt{4}\sqrt{4}\sqrt{2}$ 

MGM: 44.640

CRITAREA: 1

FLAG:

239

#### NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION CN 029, TRENTON, N.J. 08625

#### PUBLIC WATER SUPPLY DIVERSION REPORT



ONS:

Reports must be filed within 30 days following the close of each quarter.

Peport all quantities in units of 1,000 gallons.

se reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to other systems.

btain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you.

The sums of Items 1 and 2 should equal the sums of Items 3 and 4.

Other data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

dain, ann iodano	COLLINGSWOOD BOR	OLIGH	rate well reports should 5209	id be placed on back o	sheet or attached.
NAME OF PERMITT	678 HADDON AVENU COLLINGSWOOD, NJ ATTN: JOHN MEIER	08108 <del>-</del>	<del></del>	WATER ALLO	CATION PERMIT #
ii EET ADDRESS	THE COUNTY PRESENT			STATE	ZIP
OR THE QUARTER E	NDING: FO Sept. 30	R THE YEAR:	SUMMARY	OF DIVERSION IN UNI	TS OF 1,000
Iune 30	Dec. 31	110_	1st Month	2nd Month	3rd Month
1. Diversion from ow	m sources	Surface			
•		Weils			
		Total			
2. A d from oth	ner systems (see 6)	•			
3. Delivered to other	systems (see 7)				
4. Net diversion for t	territory served (see 8)				
	letermined? If estimated, g				
6. Systems from whi	ch water is received			T	
7 Systems to which					·
8. Municipalities sup	plied in territory served	ollingsw	ood 11/0	ed Irane Ha	ddon Two
9. Population supplied	ed in territory served	000			
Summer population	on (if different than above)				
0. Number of service	connections in territory ser	ved <u>5,91</u>	2		
1 Number of service	meters in territory served	5,90	8		
ohn A M	eier Suiserii	ntendent	John on		- 16-90
Name (Please Pr	int) T	itle	Signature		Date-

Method Used — M Scope Air Line

Site Elevation

Tape (Check appropriate box)

Total Head\*\*

Well Permit No. 31-79	Date Taken 3-27-90
31-4053	3-31-90
31-4054	3-31-90
51-30	3 -31 -90 3 -31 -90
51-31	•
31-4799	3-14-90
31-4797	3-14-90

1 ,to Water in Feet

surements in Feet From Sea Level (Total Head = Site Elevation - Static Level)

**RIDE ANALYSIS** 

Limit No.

Date Taken

Analysis Results

monitored

anolysis

enclosed.

# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION **DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION**

CN 029, Trenton, N.J. 08625-0029

PUBLIC WATER SUPPLY DIVERSION REPORT



DNS:

Reports must be filed within 30 days following the close of each quarter.

eport all quantities in units of 1,000 gallons.

ose reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to other systems.

btain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you.

The sums of Items 1 and 2 should equal the sums of Items 3 and 4.

Other data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

AME OF PERMITTEE		WATER ALLO	CATION PERMIT #
I EET ADDRESS OF COLINGS WOOD		<u> </u>	9
	ry /	STATE	ZIP
CP THE QUARTER ENDING: FOR THE YEAR:	Wood		-08/08
- March 31 □ Sept. 30	SUMMARY (	OF DIVERSION IN UNI	TS OF 1,000
$\subseteq$ June 30 $\square$ Dec. 31 $\underline{199C}$	lst Month	2nd Month	3rd Month
Diversion from own sources Surface			
Wells*	59,033	65,03.2	68,144
Total		•	,
1 from other systems (see 6)	·		
pelivered to other systems (see 7)			
Net diversion for territory served (see 8)			
:	* List individual well	usage on reverse side	of form
i. How is diversion determined? If estimated, give basis of estimate		·	
411 Nells metered			
Systems from which water is received			
Bystems to which water is delivered			
Municipalities supplied in territory served 31.000	god, Noc	d/Inne,	Toddon Two
Population supplied in territory served 21,000	<del></del>		
Summer population (if different than above)			
D. Number of service connections in territory served $\frac{5}{8}$	9.7	,	
Number of service meters in territory served	9		
Name (Please Print)  Superintendent (	luka-sh	ein 7	-28-90

<u>IC WA</u>	TER LEVEL DATA	Method Used — ☐ M Scope	☐ Air Line ☐ Tape	(Check appropriate box)	
' <u>lo.</u>	Well Permit No.	Date Taken	Site Elevation	Level*_	Total Head**
•	31-79	5-31-90		91'	
•	31-4053	6 -30 - 90		7//	
:	31-4054	6-30-90		65'	
	51-30	6-30 90		68/	
•	51-31	6-30-90		66'	
	31-4799	5-21-90		5-11	
	31-4797	5-21-90		49'	

epth to Water in Feet

surements in Feet From Sea Level (Total Head = Site Elevation - Static Level)

ORIDE ANALYSIS

Permit No.

Date Taken

Analysis Results

10/15/3

Enclosed

**95.** ©

=

TDUAL WELL USAGE\*\*\*

Well No

Well Permit No.

Month 1

Month 2

Month 3

راه و

Sheet

# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION **DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION**

CN 029, Trenton, N.J. 08625-0029

# PUBLIC WATER SUPPLY DIVERSION REPORT



#### **TIONS:**

Reports must be filed within 30 days following the close of each quarter.

- Report all quantities in units of 1,000 gallons.
- Use reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to other systems.
- Obtain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you.
- The sums of Items 1 and 2 should equal the sums of Items 3 and 4.

<u>Sucerinte</u>

DOM

Other data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

NAME OF PERMITTEE  POCOUGH OF COLL	ingswood	-	WATER ALLO	CATION PERMIT #
578 Haddon Fire Co	CITY OF SWOOD	ry Zavy Zavy	STATE	ZIP
OR THE QUARTER ENDING:  March 31 Sept. 30	FOR THE YEAR:	SUMMARY C	F DIVERSION IN UNI	TS OF 1,000
☐ June 30 ☐ Dec. 31	<u> 1990                                   </u>	1st Month	2nd Month	3rd Month
Diversion from own sources	Surface			•
-	Wells*			
	Total			
ved from other systems (see 6)				
Delivered to other systems (see 7)				
4. Net diversion for territory served (see 8)			_	
5. How is diversion determined? If estimated	l, give basis of estimate	* List individual well A! Intells	usage on reverse side of	of form
turbine meters (	Refer to s	neet)		at an oran
6. Systems from which water is received				
Systems to which water is delivered				
. Municipalities supplied in territory served (	Dinaswoo	d. Wood Ivi	nne Hada	lon Tiviz
9. Population supplied in territory served	1000		· · · · · · · · · · · · · · · · · · ·	
Summer population (if different than above	e)		··	
10. Number of service connections in territory	served <u>5,9/2</u>	•		
. Number of service meters in territory served	4 <u>5,908</u>			
	,			

- WATED	LEVEL DATA	_		•	
WAIER		Method Used — M Scope	-	ck appropriate box)	Total Head*
<del></del> .	Well Permit No.	Date Taken	Site Elevation	Level*	Head*
	31-79				
	31-4053	9 <b>-1</b> 9-90 9 <b>-22-</b> 90		91'	
	31 <u>-40</u> 54	9-22-90		<i>5</i> 7' 85'	
ร <sup>ั</sup>	51-30 51-31	9 <b>-</b> 22-90 9 <b>-</b> 22-90		66 <b>'</b>	
· ·	31-4799	9-19-90		72'	
	31-4797	9-19-90		<i>5</i> 1 ' 48 '	
					•
IDE ANAI	YSIS			<b>~</b>	
ermit No.		Date Taken	_Anal	ysis Results	
ANALY S	SIS ENCLOSED W	ITH REPORT.			
	•				
			·	•	
	-		•		
				•	
	.·			- B	
				<b>F</b>	

Month 1

Month 2

**DUAL WELL USAGE\*\*\*** 

Well No

Well Permit No.

Month 3

# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION CN 029, TRENTON, N.J. 08625

#### PUBLIC WATER SUPPLY DIVERSION REPORT



Reports must be filed within 30 days following the close of each quarter.

- Fort all quantities in units of 1,000 gallons.
- reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to other systems.
- tain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you. In sums of Items 1 and 2 should equal the sums of Items 3 and 4.
- C'her data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

			OCATION PERMIT #
TOUGH OF COllingswood	TY	STATE	ZIP
ET ADDRESS CI	Hingswood		- 02/08
THE QUARTER ENDING: FOR THE YEAR:	•	OF DIVERSION IN UN	
arch 31	1st Month	2nd Month	3rd Month
diffe 30 Lai Dec. 31	- Ist Mondi	Zild Moith	Jid Month
Hiversion from own sources Surface			
Wells			
Total			
Rece. from other systems (see 6)	,		
elivered to other systems (see 7)			
Vet diversion for territory served (see 8)			
How is diversion determined? If estimated, give basis of estimate			red
y tushine meters	<u>and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second </u>		red
systems from which water is received	<u>and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second </u>		red
systems from which water is received  ystems to which water is delivered			
systems from which water is received  ystems to which water is delivered  funicipalities supplied in territory served  Collings Wo			
Systems from which water is received  ystems to which water is delivered  funicipalities supplied in territory served  Collings Wo			
Systems from which water is received  ystems to which water is delivered  funicipalities supplied in territory served  Collings Wo			
Systems from which water is received  ystems to which water is delivered  funicipalities supplied in territory served  Collings Wo  Population supplied in territory served  ummer population (if different than above)			

CIC WAT	ER LEVEL DATA	Method Used —	☐ M Scope ☐ Air Line	Tape (Checi: approp	riate box)
_ <b>Q.</b>	Well Permit No. 31-79 31-4053 31-4054 51-30 51-31	Date Taken 12-9-90 12-9-90 12-9-90 12-9-90 12-29-90	Site Elevation	Static Level*  94'  60'  66'  54'	Total Head**
2	31 <del>-4</del> 799 31 <del>-4</del> 797	<b>12-9-</b> 90 <b>12-</b> 9-90		51 ' 51 '	

h to Water in Feet
easurements in Feet From Sea Level (Total Head = Site Elevation - Static Level)

#### ORIDE ANALYSIS

rermit No.

Date Taken

Analysis Results

ANALYSIS ENCLOSED WITH REPORT.

IDIVIDUEL WELL DIVERSIONS ENCLOSED WITH REPORT.

FLL #6 OFF LINE DUE TO ELECTRICAL FROBLEM.



017 B T

## NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION **DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION** CN 029, Trenton, NJ. 08625-0029

#### PUBLIC WATER SUPPLY DIVERSION REPORT



!ONS:

Reports must be filed within 30 days following the close of each quarter.

Report all quantities in units of 1,000 gallons.

Jse reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to other systems.

Obtain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you.

The sums of Items 1 and 2 should equal the sums of Items 3 and 4.

Other data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

AME OF PERMITTEE  2 2 5 5 0 7 1		WATER ALLO	CATION PERMIT #
19 Horrow the Con	<b>ry</b>	STATE	ZIP - (3.276)
OR THE QUARTER ENDING: FOR THE YEAR:  March 31	SUMMARY (	OF DIVERSION IN UN	
_ June 30 □ Dec. 31	1st Month	2nd Month	3rd Month
. Diversion from own sources Surface			
Wells*			- *
Total			
d from other systems (see 6)	·		
Delivered to other systems (see 7)			
. Net diversion for territory served (see 8)			
How is diversion determined? If estimated, give basis of estimate  All Mells metered by		usage on reverse side	
Systems from which water is received			
Systems to which water is delivered			
Municipalities supplied in territory served Callings ws	ady Ward	Enne, Huc	Idon Two
. Population supplied in territory served 21,000	·····		
Summer population (if different than above)			
. Number of service connections in territory served $\frac{5}{9}$	j		
Number of service meters in territory served 5, 9/7			
		<del></del>	
hn A Meier Superintendent 1	11 7	C 10	04/25/91

Date'

Signature

Title

WATER LEVEL DATA Method Used — M Scope Air Line ☐ Tape (Check appropriate box) Total Head\*\* Well Permit No. Site Elevation Level\* Date Taken -- + 31-79 3-26-91 31-4053 3-30-91 31,-4054 3-30-93 33-30 3-30-00 51-31 3-30-01 31-4700 3-18-01 31-4707 3-13-41 courements in Feet From Sea Level. (Total Head = Site Elevation - Static Level) DRIDE ANALYSIS Analysis Results ermit No. Date Taken ALL AFALYSIS ENGLOCUT

**DUAL WELL USAGE\*\*\*** 

Well No. Well Permit No.

Month 1

Month 2

Month 3

Lan 29 \*91

onits of 1,000

DWR-017 B

# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION CN 029, TRENTON, N.J. 08625

# PUBLIC WATER SUPPLY DIVERSION REPORT



ONS:

Reports must be filed within 30 days following the close of each quarter.

Peport all quantities in units of 1,000 gallons.

se reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to other systems.

btain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you.

The sums of Items 1 and 2 should equal the sums of Items 3 and 4.

Other data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

	CULLINGSWOOD BOROL	JOH	5209		
VAME OF PERMITT	678 HADDON AVENUE COLLINGSWOOD, NJ	08108-		WATER ALLO	CATION PERMIT #
EET ADDRESS	ATTN: JOHN MEIER		•	STATE	ZIP
OR THE QUARTER ENDI		THE YEAR:	SUMMARY	OF DIVERSION IN UN	TS OF 1,000
I fune 30 Dec	.31	<u> 70</u>	1st Month	2nd Month	3rd Month
Diversion from own so	ources	Surface	<del>.</del>		
÷ *		Wells			_ ***
		Total	· · · · · · · · · · · · · · · · · · ·		
2. A d from other s	ystems (see 6)	•	·		
3. Delivered to other syst	tems (see 7)		·		
1. Net diversion for term	tory served (see 8)				
5. dow is diversion deter $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$	mined? If estimated, give	basis of estimate	All We	115 ne Sheet	<u>tc.rc.d</u>
6. Systems from which w	vater is received			· · · · · · · · · · · · · · · · · · ·	
7 Systems to which water					
8. Municipalities supplied	d in territory served	Mings Wo	od Was	d Franc Ha	ddon Two
9. Population supplied in	territory served 31, 0	$\alpha \alpha \alpha$			•
Summer population (i	f different than above) _				
O. Number of service con	mections in territory serve	d <u>5,918</u>	)		
Number of service me	ters in territory served	5,908	3		
Name (Please Print)	er Superin	tendent	Signature	<u> </u>	- 16-90 Date

Method Used — M Scope Air Line Tape (Check appropriate box)

Total Head\*\*

Well Permit No.	Date Taken 3-27-90	Site Elevation	Static Level*
31-4053	3-31-90		53
31-4054	3-31-90		- 7 , G1 ,
51-30	3-31-90		541
51-31	3 <i>-31</i> - 90		
31-4799	3-14-90		50
31-4797	3-14-90	•	45

t to Water in Feet

surements in Feet From Sea Level (Total Head = Site Elevation - Static Level)

**RIDE ANALYSIS** 

Limit No.

Date Taken

Analysis Results

monitored analysis

enclosed

# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION **DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION**

CN 029, Trenton, N.J. 08625-0029

PUBLIC WATER SUPPLY DIVERSION REPORT



DNS:

Name (Please Print)

Reports must be filed within 30 days following the close of each quarter.

eport all quantities in units of 1,000 gallons.

ose reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to other systems.

btain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you.

The sums of Items 1 and 2 should equal the sums of Items 3 and 4.

Other data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

AME OF PERMITTEE		WATER ALLO	CATION PERMIT #
EEI ADDRESS	ny swood	STATE	ZIP -08/08
March 31 Sept. 30	SUMMARY (	F DIVERSION IN UN	ITS OF 1,000
June 30 Dec. 31 1990	1st Month	2nd Month	3rd Month
Diversion from own sources Surface			
Wells*	59,033	65,03.2	68,144
Total			
Rel d from other systems (see 6)			
Delivered to other systems (see 7)			
Net diversion for territory served (see 8)			
How is diversion determined? If estimated, give basis of estimate	* List individual well	usage on reverse side	of form
Systems from which water is received			
Systems to which water is delivered			
Municipalities supplied in territory served 6 11 ng 5 W	ood, No	dlynne,	dodon Two
Population supplied in territory served 21,000		· · · · · · · · · · · · · · · · · · ·	
Summer population (if different than above)			
Number of service connections in territory served	97		
Number of service meters in territory served 5, 9	09		
on A Meier Superintendent	1 1		- 18-90

Signature

Date .

Title

		•	•	
IC WATER LEVEL DATA	Method Used — $\square$ M Scope	Air Line	Tape (Check appropriate bo	ox) Total
\(\frac{\text{Well Permit No.}}{31-79}\)	<u>Date Taken</u> 5-31-90	Site Ele	vation Level*	
31-405			71/	
31-4059			65'	
51-30	6-30.90		68/	
51-31	6-30-90		66'	:
31-4799	5-21-90		5-11	
31-4797	5-21-90		49'	
			•	
The surements in Feet  1 surements in Feet From Sea Level	(Total Head = Site Elevation - Static Lev	el)	·	•
1				
ORIDE ANALYSIS Permit No.	Data Talcon		Amaleraia Daguita	
•	<u>Date Taken</u>		Analysis Results	
nalysis En	closed		·	
<del>*</del>			. **	
		•	<del></del>	
			05.	
			en .	
			<b>Jac</b>	
			•	
				and the second second
TDUAL WELL USAGE***				
Well No. Well I	Permit No. Month 1	<u>Mo</u>	nth 2 Month 3	<u>L</u>

**25**3

ee Sheet

WATER LEVEL DATA Method Used —  $\square$  M Scope  $\square$  Air Line ☐ Tape (Check appropriate box) Total Well Permit No. Date Taken Site Elevation Level\* Head\*\* 31-79 9-19-90 91' 31-4053 9-22-90 *5*7' 85' 31-4054 9-22-90 51-30 9-22-90 66' 51-31 9-22-90 72' 31-4799 9-19-90 51' 48' 31-4797 9-19-90 epth to Water in Feet trements in Feet From Sea Level (Total Head = Site Elevation - Static Level) ORIDE ANALYSIS l ermit No. Date Taken Analysis Results L ANALY SIS ENCLOSED WITH REPORT.

[ DUAL WELL USAGE\*\*\*

Well No

Well Permit No.

Month 1

Month 2

Month 3

Units of 1,000

DWR-017 B

# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION CN 029, TRENTON, N.J. 08625

# PUBLIC WATER SUPPLY DIVERSION REPORT

#### ICTIONS:

teports must be filed within 30 days following the close of each quarter.

- i port all quantities in units of 1,000 gallons.
- reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to other systems.
- tain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you. In sums of Items 1 and 2 should equal the sums of Items 3 and 4.
- Ther data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

ME OF PERMITTEE		WATER ALLO	CATION PERMIT #
TOUGH OF COllingswood	TV	STATE	ZIP
FRADDRESS CO	Hingswood		- 02/08
THE QUARTER ENDING: FOR THE YEAR:		OF DIVERSION IN UNI	
arch 31		<del></del>	3rd Month
June 30 🗵 Dec. 31	1st Month	2nd Month	31d Month
Piversion from own sources Surface			
Wells			·
Total			
Received from other systems (see 6)			
elivered to other systems (see 7)			
Net diversion for territory served (see 8)			
How is diversion determined? If estimated, give basis of estimate	All We	11s mete	red
y tushine meters			
Systems from which water is received			
Systems from which water is received	ood, Woo	dlynne, M	addon Twj
Systems from which water is received	ood, Woo	dlynne, H	addon Twy
ystems from which water is received  ystems to which water is delivered  funicipalities supplied in territory served	ood, Woo	dlynne, M	addon Twy
ystems from which water is received  ystems to which water is delivered  'lunicipalities supplied in territory served  Population supplied in territory served  ummer population (if different than above)		dlynne, H	addon Twy
ystems from which water is received  ystems to which water is delivered  funicipalities supplied in territory served  Population supplied in territory served		dlynne, M	laddon Twy
Systems from which water is received  ystems to which water is delivered  'tunicipalities supplied in territory served  Population supplied in territory served  ummer population (if different than above)  Number of service connections in territory served  5.9	/2	dlynne, H	addon Twy
Systems from which water is received  ystems to which water is delivered  'unicipalities supplied in territory served  Population supplied in territory served  ummer population (if different than above)  Number of service connections in territory served  5, 9  Jumber of service meters in territory served	/2		1-11-90



FINAL DRAFT
SITE INSPECTION REPORT
FLOWEN OIL DELAWARE VALLEY CORP.
CAMDEN, CAMDEN COUNTY, NEW JERSEY
VOLUME 2 OF 3

# CHEED HAZARDOUS SUBSTANCES UNCONTROLLED HAZARDOUS SUBSTANCES FACILITIES — ZONEI

tribis okorrentone Herrenduktoronkarkont

# FINAL DRAFT SITE INSPECTION REPORT FLOWEN OIL DELAWARE VALLEY CORP. CAMDEN, CAMDEN COUNTY, NEW JERSEY VOLUME 2 OF 3

#### PREPARED UNDER

TECHNICAL DIRECTIVE DOCUMENT NO. 02-9011-20 CONTRACT NO. 68-01-7346

**FOR THE** 

ENVIRONMENTAL SERVICES DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY

**JUNE 28, 1991** 

NUS CORPORATION SUPERFUND DIVISION





# WATERA FILE - 11/17/88

R: 5010

JAME: GLOUCESTER CITY

STREET: JOHNSON BLVD. & GAUNT ST.

CITY: GLOUCESTER

TATE: NJ

ZIP: 08030-

ATTN: W.J. ROACH

\_PHQNE: ( ) \_-

MONTACT: W.J. ROACH

TITLE: S

CPHONE: (609)456-0205

:OUNTY1: 07

COUNTY2:

В**н** /1: D

BASIN2:

CRITAREA: 2

NOTES1:

NOTES2:

NOTES3:

ZONE: 1

PINELAND: N

WATERUSE: P

MGY: 0.0

MGM: 93.000

GPM: 4000

PFLOW: 0.0

EFDATE: 08/24/1983

EXDATE: 10/31/1997

PERMTYPE: G

MGD: 3.00

HEARING: N

STAFF:

UPDATE: 02/05/1986

#### WSDURCE FILE - 11/17/88

IUMBER: 5010 ZONE:

JURCEID: 3104306

PINELAND: N

DCID:

WELL #40 .

GEO1:

GKMR

JSGSUID: 070220

GE02:

AT:

395349

DEPTH:

262

\_ON:

750651

DOPEN:

221

LACC:

BOPEN:

261

MJGRID:

3111323

DIAMETER:

COUNTY: 07

WELLDATE: /

"UN:

14

CAPACITY: 1000

BASIN:

MGM:

0.000

RITAREA: 2

FLAG:

#### WSOURCE FILE - 11/17/88

NUMBER:

5010

ZONE:

OURCEID: 3127737

PINELAND: N GEC1:

GKMR

լննID:

WELL #41

GE02:

JSGSUID: 070222

395359

DEPTH:

269

~AT: LON:

750654

DOPEN:

225

265

BOPEN:

.LACC:

NJGRID:

3111322

DIAMETER:

: YTNUOS

WELLDATE:

CAPACITY: 1000

1UN: 14

BASIN:

MGM:

0.000

CRITAREA: 2

#### WSOURCE FILE - 11/17/88

5010

ZONE:

OURCEID: 3105242

PINELAND: N

LOCID:

WELL #42

GEO1:

GKMR

ซSGŚUID: 070210

GE02:

AT: 395343

DEPTH:

306

LON:

750652

DOPEN:

LACC:

BOPEN:

NJGRID:

3111326

DIAMETER:

rcOUNTY: Ì

07

WELLDATE:

CAPACITY: 1000

UN:

14

BASIN:

MGM:

0.000

:RITAREA: 2

FLAG:

#### WSOURCE FILE - 11/17/88

NUMBER:

5010

ZONE:

OURCEID: 3118822

PINELAND: N

LOCID:

WELL #43

GE01:

GKMR

⊸JSGSUID: 070516

GE02:

-AT:

395346

DEPTH:

260

LON:

750653

DOPEN:

220

.LACC:

BOPEN:

260

3111326

DIAMETER: ...

**COUNTY:** 

NJGRID:

07

WELLDATE: / /

1UN:

14

CAPACITY: 1000

260

IN:

D

MGM:

0.000

#### WSOURCE FILE - 11/17/89

**NUMBER:** 

5010

ZONE:

\_OURCEID: 3104903

PINELAND:

-OCID:

REDRILLED

GE01:

GKMR

1.000

ïSGSUID:

AT:

\_ON:

"LACC:

MJGRID:

COUNTY:

ำบท:

BASIN:

RITAREA:

GE02:

DEPTH:

DOPEN:

BOPEN:

DIAMETER:

WELLDATE:

CAPACITY:

MGM:

#### **NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION** CN 029, TRENTON, N.J. 08625



#### PUBLIC WATER SUPPLY DIVERSION REPORT



Reports must be filed within 30 days following the close of each quarter.

- Report all quantities in units of 1,000 gallons.
- Ise reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to other systems.
- Obtain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you.
- The sums of Items 1 and 2 should equal the sums of Items 3 and 4.
- Other data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

AME OF PERMITT	AME OF PERMITTEE.					WATER ALLOCATION PERMIT #		
-	GLOUCESTER CITY WATER DEPARTMENT					5010		
LEET ADDRESS		11	CIT	ΓY	STA	TE	ZIP	
J	CHNSON B	LBD. & GAUN		LOUCESTER	NEW	JERSEY	08030	
PR THE QUARTER  →March 31	R ENDING:	FOR TH	E YEAR:	SUMMARY	OF DIVERSIO	O STINU NI N	F 1,000	
	☐ Dec. 31	19	90	1st Month	2nd Mor	ıtlı .	3rd Month	
Diversion from	own sources		Surface	JANUARY	FEBRUA	RY I	MARCH	
* .			Wells 4	45,568	41,54	4. 5	3,170	
			Total	45,568	41,54	4 . 5	3,170	
. Received from	other systems (	see 6)		NONE	NONE		NONE	
Delivered to oth	her systems (see	: 7)		NONE	NONE		NONE	
. Net diversion for territory served (see 8) 45.56			45,568	41,54	4 5	3,170		
."How is diversion	n determined?	If estimated, give b	asis of estimate		·			
		•		cording Met	er		<del> </del>	
Systems from v	which water is re	ceived (4)	Welle	P.R.	M. AQUIF	ER		
Systems to whi	ich water is deliv	rered					<del></del>	
Municipalities s	supplied in terri	tory served	City of G	loucester C	ity			
7. Population sup	Population supplied in territory served							
Summer popul	ation (if differe	nt than above)					··	
3. Number of serv	rice connections	in territory served	4,142					
Number of serv	vice meters in te	rritory served	4,142			·	<u></u>	
<b>—</b>								

1- T		111 99 9		
11.00	onn	Willi	ams	
	Nam	a (Planes	Drine	

TIC WATER LEVEL DATA Method Used —	M Scope Air	Line Tape	(Check appropriate box)

	•			
ĩ No.	Well Permit No.	Date Taken	Site Elevation	Level*
-	31-4903	. 01-02-90	UNK	5 <b>3</b> °
ï .	31-4306	01-02-90	UNK	461
; ;	31-18822	02-09-90	UNK	461
2	31-5242	02:-09-90	UNK	66'
1	31-4903	03-10-90	UNK	53 <b>'</b>
Ò -	31-4306	03-10-90	UNK	47*

easurements in feet below sea level.

#### ORIDE ANALYSIS\*\*

<u>Permi</u>	L No.	Date_Taken	Analysis Results
42	31-5242	01-14-90	25.0 mg/1~
<u>13</u>	31-18822	02-16-90	25.0 mg/l
·2	31-5242	03-15-90	19.5 mg/l

and/or other monitored contaminants



#### NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION **DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION** CN 029, TRENTON, N.J. 08625



#### PUBLIC WATER SUPPLY DIVERSION REPORT

Danasta must ba	سابايني احماق	20 1 6	-11		
Reports must be	mea within	JU days to	ollowing the	close of ea	ch quarter.

Report all quantities in units of 1,000 gallons.

"Use reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to \_other systems.

Obtain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you.

The sums of Items 1 and 2 should equal the sums of Items 3 and 4.

"Other data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

ME OF PERMITTEE WATER DEPARTMENT WATER ALLOCATION PERMIT # 5010					
"RÉET ADDRESS		ITY	STATE	ZIP	
Johnson Blvd. & Caunt St.	, Gloucest	ter City, New	Jersey 080	70	
R THE QUARTER ENDING: FOR 1  March 31  Sept. 30	THE YEAR:	SUMMARY C	F DIVERSION IN UNI	TS OF 1,000	
☐ June 30 ☐ Dec. 31	990	1st Month	2nd Month	3rd Month	
Diversion from own sources	Surface	APRIL	MAY	JUNE	
•	Wells 4	47,931	48,879	49,683	
	Total 4	47.931	48,879	49,683	
. Re ad from other systems (see 6)	••	NONE	NONE	"NONE .	
Delivered to other systems (see 7)  NONE  NONE  NONE					
Net diversion for territory served (see 8) 47,931 48,879 49,683					
5. How is diversion determined? If estimated, give	basis of estimate	·	· · · · · · · · · · · · · · · · · · ·		
Master	Recording	Meter	the last a way was		
6. Systems from which water is received (4) w	/e]]s	F.R.M.	ACUIFER		
Systems to which water is delivered					
Municipalities supplied in territory served	ity of Gl	oucester City	·		
9. Population supplied in territory served13,250					
Summer population (if different than above)					
Number of service connections in territory serve	d <u>4,142</u>				
Number of service meters in territory served	4,142				
*		<del></del>			

John Williams

Name (Please Print)

Director of Public Works

Title

C WATE	ER LEVEL DATA	Method Used — ☐ M Scope	Air Line Tape	(Check appropriate box)
No.	Well Permit No.	Date Taken	Site Elevation	Level*
	31-4306	04-26-90	UNK	46'
, ,	. 31-18822	04-26-90	UNK	46'
	31-4903 31-5242	05-09-90 05-09-90	UNK UNK	52' 66'
_ = :	31-4306 31-18822	06-15-90 06-15-90	UNK UNK	46' 46'

rsurements in feet below sea level.

#### DRIDE ANALYSIS\*\*

Permit No.	Date Taken	Analysis Results
31-4903	04-26-90	21.0 mg/l
31-4306	05-29-90	23.5 mg/1
31-5242	06-22-90	<b>5</b> 32,8 mg/1

ndlor other monitored contaminants

# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION **DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION**

CN 029, Trenton, NJ. 08625-0029

## TONS:

# PUBLIC WATER SUPPLY DIVERSION REPORT

- Reports must be filed within 30 days following the close of each quarter.
- Report all quantities in units of 1,000 gallons.
- Use reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to other systems.
- Obtain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you.
- "The sums of Items 1 and 2 should equal the sums of Items 3 and 4.
- ... Other data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

Gloucester City Water Depa	ntment		OCATION PERMIT #		
Johnson Blvd. & Gaunt St., Gloucester	ΓY	STATE	ZIP		
OR THE QUARTER ENDING: FOR THE YEAR:  March 31 Sept. 30	1	OF DIVERSION IN UN	VITS OF 1,000		
☐ June 30 ☐ Dec. 31	1st Month	2nd Month	3rd Month		
Diversion from own sources Surface	lara	AUGUST	SEPTEMBER		
Wells*	52,783	48,093	46,046		
Total 4	52,783	45,097	46,046		
. R ed from other systems (see 6)	NONE	NONE	NONE		
Delivered to other systems (see 7)	NONE	NONE	NONE		
Net diversion for territory served (see 8)	52,783	48,095	46,046		
How is diversion determined? If estimated, give basis of estimate	* List individual we	ll usage on reverse side	e of form		
Master Recording Meter					
Systems from which water is received (12) Kanna	F. P	M. AQUIPED			
. Systems to which water is delivered	•				
Municipalities supplied in territory served <u>City of Glou</u>	cester City				
7. Population supplied in territory served13,250					
Summer population (if different than above)					
D. Number of service connections in territory served 4,144					
. Number of service meters in territory served 4,144		·			

Director of Public Works

ATIC WATER LEVEL DATA		Method Used — M Scope	Air Line Tape	(Check appropriate box)		
:11 No.	Well Permit No.	Date Taken	Site Elevation	Level*	Total Head**	
¥1 40	31-4903 31-4306	07-20-90 07-20-90	UNK UNK	52 <b>'</b> 46'		
-2 43	31-5242 31-18822	08-04-90 08-04-90	UNK	66 <b>'</b> 46 <b>'</b>		
10	31-4903 31-4306	09-12-90 09-12-90	UNK UNK	53 <b>'</b> 47 <b>'</b>	··	

Depth to Water in Feet

Measurements in Feet From Sea Level (Total Head = Site Elevation - Static Level)

LORIDE ANALYSIS		
'ell Permit No.	Date Taken	Analysis Results
42 31 <b>–</b> 5242	07-27-90	28.0 mg/l
<u>43 31–18822</u>	08-01-90	25.0 mg/l
41 31-4903	09-11-90	25.0 mg/l
	*	

DIVIDUAL WELL U	SAGE***				
Weil No.	Weil Permit No.	Month 1	Month 2	Month 3	
40 41 - 42 43	31-4306 31-4903 31-5242 31-18822	12.961 11.606 2.372 11.143	9.975 10.816 9.135 11.443	9.662 11.271 3.979 9.953	

Oct 3 •90

**DWR-017 B** 3/90

# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION

CN 029, Trenton, N.J. 08625-0029

# PUBLIC WATER SUPPLY DIVERSION REPORT

#### ĨħĿĿŔ*UCTIONS*: ,

- Reports must be filed within 30 days following the close of each quarter.
- Report all quantities in units of 1,000 gallons.
- 3. Use reverse side of this form to report diversion from individual wells, when required, and to report water-from and/or to other systems.
  - Obtain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you.
  - The sums of Items 1 and 2 should equal the sums of Items 3 and 4.
- Other data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

NAME OF PERMITTEE			WATER ALLO	CATION DEDICATE #
Gloucester City Water	Department		5010	CATION PERMIT #
STREET ADDRESS	Cin	TV	CTATE	ZIP
Johnson Blvd. & Gaunt St., FOR THE QUARTER ENDING:	Gloucester	City, New J	ersey 08030	)
March 31 Sept. 30	THE YEAR:	SUMMARY C	F DIVERSION IN UNI	TS OF 1,000
	1990	1st Month	2nd Month	3rd Month
1. Diversion from own sources	Surface	OCTOBER	NOVEMBER	DEC EMBER
ĒN VI	Wells* 4	53,753	51,420	52,757
	Total 4	53,753	51,420	52,757
2. Aeceived from other systems (see 6)		NONE	NONE	NONE
3. Delivered to other systems (see 7)		NONE	NONE	NONE
4. Net diversion for territory served (see 8)		53,753	51,420	52,757
5. How is diversion determined? If estimated, given	e basis of estimate	* List individual well	usage on reverse side	of form
Master	Recording M	eter		
6. Systems from which water is received	) Wells	P.R	.M. AQUIFER	
7. Systems to which water is delivered			· 	·
8. Municipalities supplied in territory served Ci		ester City		
9. Population supplied in territory served	3,250			
Summer population (if different than above)		-		
10. Number of service connections in territory serv	ed 4,144			
11. Number of service meters in territory served	4,144			

John C. Williams Director of Public Works Name (Please Print)

STATIC WATER LEVEL DATA		Method Used —	Air Line Tape	(Check appropriate box)	m . •
Well No.	Well Permit No.	Date Taken	Site Elevation	Level*	Total Head**
43	31-18822	1 <b>0-25-</b> 90	UNK	46 <b>'</b>	
241	31-4903	10 <b>-25-</b> 90	UNK	52 <b>'</b>	
40	31-4306	11-04-90	UNK	47 <b>'</b>	
42	31-5242	11-04-90	UNK	66'	
-40	31 <b>–</b> 4306	12-18-90	UNK	41 <b>.</b>	
43	31 <b>–</b> 18822	12-18-90	UNK	48 <b>.</b>	

<sup>\*\*</sup> Measurements in Feet From Sea Level (Total Head = Site Elevation - Static Level)

CHLORIDE ANALYSIS		
Well Permit No.	Date Taken	Analysis Results
43 31-18822	10-23-90	25.0 mg/l
42 31-5242	11-16-90	20.5 mg/l
41 \3\1-4903	11-20-90	24.5 mg/l
	•	

INDIVIDUAL WELL U	SAGE***	·		
Well No. 40 41 42 43	Well Permit No. 31-4306 31-4903 31-5242 31-18822	Month 1 10.653 10.489 7.868 11.008	Month 4 10,070 2,232 3,420 32,366	Month 3 10 • 525 29 • 531 • 769 1 • 181

Jan 8 \*91

269

SYX

<sup>\*</sup> Depth to Water in Feet

# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION

CN 029, Trenton, N.J. 08625-0029

# PUBLIC WATER SUPPLY DIVERSION REPORT

				VS	

- 1. Reports must be filed within 30 days following the close of each quarter.
- 2. Report all quantities in units of 1,000 gallons.
- 3. Use reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to other systems.
- 4. Obtain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you.
- 5. The sums of Items 1 and 2 should equal the sums of Items 3 and 4.
- 6. Other data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

NAME OF PERMITTEE				CATION PERMIT #		
Gloucester City Water Depa	rtment		591	0		
Johnson Blvd & Caunt St.,	Cloucester Ci	ry ty, New Jers	<b>STATE</b> ey 08030	ZIP		
EOR THE QUARTER ENDING: March 31 Sept. 30	FOR THE YEAR:	SUMMARY C	F DIVERSION IN UNI	TS OF 1,000		
☐ June 30 ☐ Dec. 31	1991	1st Month	2nd Month	3rd Month		
1. Diversion from own sources	Surface	JANUARY	FEBRUARY	MARCH		
	. Wells* 4	57,808	53,399	55 <b>.</b> 005 \		
	Total 4	57,808	53,399	55 <b>.</b> 00 <b>5</b>		
deceived from other systems (see 6)		NONE	NONE	NONE		
3. Delivered to other systems (see 7)		NONE	NCNE	NONE		
4. Net diversion for territory served (see 8)		57,808	53,399	55.005		
5. How is diversion determined? If estimated	1, give basis of estimate	* List individual well	usage on reverse side o	of form		
Maste	er Recording M	eter · · ·		·		
6 Systems from which water is received						
7. Systems to which water is delivered		· · · · · · · · · · · · · · · · · · ·	<u> </u>			
7. Systems to which water is delivered						
9. Population supplied in territory served	9. Population supplied in territory served13,250					
Summer population (if different than above	re)					
10. Number of service connections in territory	served4,1	44				
1. Number of service meters in territory serve	d 4,1	<b>44</b>				
		<del>/</del>	<del></del>			

Name (Please Print)

Director of Public Works of Control Signature

4-3-9/

Date

**27**0.

Method Used — ☐ M Scope ☑ Air Line

☐ Tape (Check appropriate box)

	-	· · ·	• • •	
Well Permit No.	Date Taken	Site Elevation	Level*	Total Head**
31-4306 31-4903	01-25-91 01-27-91	UNK	47 <b>'</b> 52'	
31 <b>-</b> 18822 31 <b>-</b> 5242	02-04-91 02-04-91	UNK UNK	46' 66'	
31-4306 31-4903	03-20-91 03-22-91	UNK UNK	48 <b>1</b> 52 <b>1</b>	
	31-4306 31-4903 31-18822 31-5242 31-4306	31-4306 01-25-91 31-4903 01-27-91 31-18822 02-04-91 31-5242 02-04-91 31-4306 03-20-91	31-4306 01-25-91 UNK 31-4903 01-27-91 UNK 31-18822 02-04-91 UNK 31-5242 02-04-91 UNK 31-4306 03-20-91 UNK	Well Permit No.         Date Taken         Site Elevation         Level*           31-4306         01-25-91         UNK         47'           31-4903         01-27-91         UNK         52'           31-18822         02-04-91         UNK         46'           31-5242         02-04-91         UNK         66'           31-4306         03-20-91         UNK         48'

#### CHLORIDE ANALYSIS

Well Permit No.		Date Taken		 Analysis Resu	its
_40_31 <del>_</del> 4306		01-14-91		23.5	mg/l
43 31-18822	,	02-15-91		25.0	mg/l
42 31-5242	•	03-13-91	;	25.0	mg/1



#### INDIVIDUAL WELL USAGE\*\*\*

Well No.	Well Permit No.	Month 1	Month 2	Month 3
40	31-4306	2.975	.813	7.471
41	31-4903	4.048	7.338	5.413
42	31-5242	<b>12.</b> 388	<b>. 57</b> 0	1.980
43	31-18822	20,252	34.568	29.715

DWR-017 B

<sup>\*</sup> Depth to Water in Feet

<sup>\*\*</sup> Measurements in Feet om Sea Level (Total Head = Site Elevation - Static Level)

REFERENCE NO. 15

#### WATERA FILE - 03/01/91

BER:

5235

ΫE:

HADDUN TOWNSHIF WATER DEPT.

EET:

504 UNEIDA AVENUE

TY:

WESTMONE

TE:

ΝŰ

ື: 08109-

TN: CHARLES A. STEVENSON

INE:

(609)854-1825

NTACT: EDWARD VERMICK

JTLE: 6

HONE: (609)795-9595

UNTY1: 07

JNTY2:

SIN1: D

SIN2:

MITAREA: 2

NOTES1:

TINO TORRES. OPERATOR

NOTES2: 5 85459400

NOTESS:

ZUNE:

PINELAND: +

WATERUSE: P

MGY: 613.0

nii <del>š</del>ni s

64.UU

GPM:

3420

PFLOW: 0.0

EFDATE: 02/11/1991

Expand in In 1 42

MGD:

2.00

HEARING: N

STAFF: NB

UPDATE: 03/01/1991

## WSOURCE FILE - 03/01/91

	•	
M Lare		
N.		

5235

PINELAND: N

TORCEID: 3105243

M: 750317

13

ELEV: 53.5

ID: IA

ELEVACC: 2

GSUID: 070291

DEPTH: 481

395406

DOPEN: 401

BOPEN:

479

MACC: F

GEO1: GKMR

RID: 3102887

GE02:

UNIY: 07

î

DIAMETER: 12

WELLDATE: 09/27/1968

SIN: DDEL

CAPACITY: 870

TTAREA: 2-

MGM:

0.000

FLAG:

# WSOURCE FILE - 03/01/91

MBER: 5235

PINELAND: N

URCEID: 3100432

ELEV:

DiD:

2/SEALED

ELEVACC:

DEPTH:

470

GSUID: 070289

DOPEN:

439

IN =

BOPEN:

470

artCC:

GEO1: GKMR

BRID: 3102884

GE02:

IUNTY: 07

16

DIAMETER:

1:

WELLDATE:

DDEL

CAPACITY: 1300

### 03/01/91

-MBER: 5235

PINÈLAND: N

JURCEID: 3102146

ELEV:

CID: 3/SEALED

ELEVACO:

3GSUID: 070288

T:

CACC:

DEPTH: 469

DOPEN: 432

⊇N :

BOPEN: 469

GEO1: GKMR

GRID: 3102879

GE02:

JUNTY: 07

DIAMETER:

V: 16

WELLDATE: / /

SIN: DDEL

CAPACITY: 800

VITAREA: 2

MGM: 0.000

NE: 1

FLAG:

### WSDURCE FILE - 03/01/91

MBER: 5235

PINELAND: N '

7URCEID: 3104855

395406

ELEV:

CID:

ELEVACC: 2

365UID: 070292 %

DEPTH: 448

Γ:

DOPEN: 417

N: 750332

BOPEN:

448

:400:

GE01:

GKMR

GRID: 3102879

GE02:

JUNTY: 07 -

,16

DDEL

DIAMETER: 12

WELLDATE: 08/25/1965

APACITY: 1000

ISIN:

ATAREA: 2

0.000

WE:



### WSOURCE FILE - 03/01/91

5235

FINELAND: N

JURCEID: 3129099

ELEV: 54.

DIDe ZΑ

ELEVACO:

MESUID:

DEPTH:

487

>=√ **3** 395355

DOPEN:

430

1: *7*50330

BCPEN: 452

LACC:

GEC1: GKMR

BRID: 3112213

WELLDATE: 09/06/1988

JUNTY: 07

GEO2: -

DIAMETER: 10

TRIN: DDEL

CAPACITY: 800

RITAREA: 2

MGM:

0.000

FLAG:

WSGURCE FILE - 03/01/91

"1BER: 5235

PINELAND: N

JURCEID: 3128896

ELEV:

53.

CID:

3A

ELEVACC:

EGSUID:

CEPTH:

475

**J**:

395355

DOPEN: 420

: V~

750315 BOPEN:

442

TACC:

GEO1:

GKMR

GRID:

3112221

GEO2:

: YTMUC 07

DIAMETER: 10

WELLDATE: 07/20/1988

V:

DDEL

16

CAPACITY: 750

RITAREA; 2

MGM:

0.000

VE:

FLAG:

276

#### DIVISION OF WATER ALLOCATION BUREAU OF WATER ALLOCATION CN 029, TRENTON, NJ. 08625

### PUBLIC WATER SUPPLY DIVERSION REPORT

#### KTIONS

courts must be filed within 30 days following the close of each quarter.

port all quantities in units of 1,000 gallons.

ie reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to her systems

tain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you.

te sums of Items 1 and 2 should equal the sums of Items 3 and 4.

Ther data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached

E OF PERMITTEE	P WATER DEPT		WATER ALLO	CATION PERMIT #
ET ADDRESS 504 ONE IDA AVE	CIT		STATE	ZIP 08108
THE QUARTER ENDING FO	R THE YLAR	SUMMARY	OF DIVERSION IN UNI	TS OF 1.000
arch 31	199ø	1st Month	2nd Month	3rd Month
iversion from own sources	Surface	JANUARY	FEBRUARY	MARCH
	Wells	46,554	48,075	53,999
-	Total	46,554	48,075	53,999
Received from other systems (see 6)		pop	SOC	. 000
elivered to other systems (see 7)		ap d	000	. 000
Net diversion for territory served (see 8)		46,554	48,675	53,999
	NONE			
Systems from which water is received	NONE			
ystems to which water is delivered	ONE			
Municipalities supplied in territory served  Population supplied in territory served	12,000			
Summer population (if different than above	·)			
Number of service connections in territory	4 149			
Number of service meters in territory server	4 149			
CHARLES A. STEVENSON	LICENSED	SUPERINTEN	DENT Culis	A Feren
Name (Please Print)	Title	t .		Signature

### STATIC WATER LEVEL DATA

Method Used - M Scope Air Line (Check appropriate box)

Date Taken

Level

1855

31-29099

-31-28-896

Well l'ermit No.

3427

SUS ATTACHED SHEBTS

### CHLORIDE ANALYSIS\*

W	ell Permit No.
.~	
-4	31855
-12	31-29099
4	31-22596
	34.29
14	

Date Taken	Analysis R	esults (mg/P)
	CHLORINE	SOUIUM
1/19/50	5.07	3.60
1/14/78	6.5-4	4.50
1/19/5%	4.81	4.94
1/19/10	5,83	5,20

and/or other monitored contaminants

7.

er M		,		
L Mi	MSL	MISC		
TIME	STATIC HEAD DE	TE PUMPING LEVEL	DRAW DOWN (PT)	
1 -0900	<u> </u>	5/09.5	33	495
1600	-7f.5	12 -106.5	<u> 28</u>	
2 6900	-7r.5	19 -106.5	28	
0730	-7.4.5	26	28	_
			29.25	16.9
TE TIME	STATIC HEAD	PUMPING LEVEL	DRAW DOWN	rfor
TE TIME		5/07	30	
1 1200	- <del>}</del> /	12 -101	30	. •
1/30	-76	13	3/	-
	-77	2C <u>-iu7</u>	30	_
5 /130		26	30.25	26.5
ELL #3 -	,	PUMPING LEVEL	DRAW DOWN	n sev
11 1IME 4 /330	STATIC HEAD		2/	
<u>4 /330</u>	<u>= F3</u>	5 -104	2/	- <del></del>
1 1415	-84	12 -105		<b></b>
18 /330	-83	19 -704	2/	<u> </u>
25 /400	-8.4	26 -105	21	<u> </u>
ELL MA			21	
	STATIC HEAD	PUMPING LEVEL	DRAW DOWN	~90v
DATE TIME	-56	5 - 64	28	
4 1545	-54	12 -86	32	
11 16/5	-541	0.4	32	
18 1545		- 61	32	
15 16/5	-54	26	31	 2 <b>S.</b> ø
• ••			٠,	₩ <b>/ / /</b> /

300	_	
	٠.	

DATE TIME	STATIC HEAD	PUMPING LEVEL	DRAW DOWN	GPM	SP.CAP.
11 09 10	-78:5	42 -106.5	<u> </u>		
2/8 0518	-78.5	9	28′		
1. 300	0471880 3100	11			
1/2 0915		23	·		
₩ELL #2	-78.5	-106.5	28		
ATE TIME	STATIC HEAD	PUMPING LEVEL	DRAW DOWN		
2/1 1/30	- 7/	2/2 -101	30	•	
8 1015	· -71	9 - 101	30		
15 1033	. 72	11106	34		
22 /130	-71	20	33		<b>*-</b>
HELL #3	-71	-103	31.8		
TIME	STATIC HEAD	PUMPING LEVEL	DRAW DOWN		
	STATIC HEAD  -83	PUMPING LEVEL  2/z -10 4	DRAW DOWN	_	
TIME	***************************************				igen. To
7 1ME 2/1 1400 8 /245	-83	2/2 -104	2/	- 	er te
1 11ME 1/1 1400 8 /245 1 1315	-83 -83	2/2 -104 9 -104 11 -100	21	- - -	*****
71HE 2/1 1490 8 1245 1 1315	-83 -83 -8-1	2/2 -104 9 -104 11 -100	21 21 19	  	¥ 1.
TIME  2/1 7400  8 /245  / 1315  24 ,330	-83 -83 -81	2/2 -104 9 -104 11 -100 23 -102	21 21 19 23	- - -	**************************************
71ME 2/1 7400 8 /245 / 1315 20 130 WELL #4  OATE TIME	-83 -83 -81	2/2 -104 9 -104 11 -100 23 -102 -103	21 21 19 23 21		**·
71ME 9/1 7400 8 /245 1 1315 20 130 WELL #4	-83 -83 -81 19 81	2/2 -104  9 -104  11 -100  23 -102  -103  PUMPING LEVEL	2/ 2/ /9 23 2/ DRAW DOWN	  	1.
71ME 2/1 7400 8 /245 1 /330 WELL #4  DATE TIME 2/1 /6/5 8 /508	-83 -83 -83 -81 -83 -81 -81 STATIC HEAD -54	$\frac{2}{z}$ $\frac{-104}{9}$ $\frac{-100}{100}$ $\frac{-100}{23}$ $\frac{-102}{-103}$ PUMPING LEVEL $\frac{-8}{6}$	2/ 2/ /9 23 2/ DRAW DOWN 32 32 5/		1.
71ME 2/1 7400 8 /245 1 /315 20 /330 WELL #4  DATE TIME 2/1 /6/5 8 /508	-83 -83 -83 -83 -81 -89 81 STATIC HEAD -54 -94	$\frac{2}{2} - \frac{104}{9}$ $\frac{4}{100}$ $\frac{1}{100}$ $\frac{-100}{23}$ $\frac{-100}{-100}$ PUMPING LEVEL $\frac{-8}{9}$ $\frac{-8}{9}$	2/ 2/ /9 23 2/ DRAW DOWN 32 32		¥*************************************

### OWNSHIP OF HADDON - - - WATER WELL DRAW DOWNS

HELL #	l					
JATE	TIME	STATIC HEAD	PUMPING LEVEL	DRAW DOWN	GPM	SP.CAP
17	0930	out orsmuncis	3/8 out or somies			
14	000		15			
21	0900	11	١٢	·		
28	0135	/1	ر		•	
JELL #	2					
DATE	TIME	STATIC HEAD	PUMPING LEVEL	DRAW DOWN	•	
3/7	1130	71	3k <u>-104</u>	33		
14	1015	- 71	15	33	-	
21	<u> 1030</u>	_ 71	12 -104	33	<u>-</u>	
28	1130	-72	29 -106	_34	-	. ••
WELL	#3	-71	-104	33	•	
DATE	TIME	STATIC HEAD	PUMPING LEVEL	DRAW DOWN		
3/7	1400	79	3/8	23		
- 14	1245	- 81	15100	19		₹
ય	1315	-79	22102	2.3	<del></del>	
28	1330	- 4-	21102	23	<del></del>	
WELL	#4	-79	-101.5	22		
DATE	TIME	STATIC HEAD	PUMPING LEVEL	DRAW DOWN	<del></del>	
3/7	1615	-39	3/8	45	<del></del>	
14	1500	5,4	15 -86	32	<del></del>	
21	1500	-5.4	12	32	<del></del>	pr-
u s	1500	-97	25	45		
		61,5	-85	38,5		

# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION CN 029, TRENTON, N.J. 08625

### PUBLIC WATER SUPPLY DIVERSION REPORT

sits must be filed within 30 days following the close of each quarter.

ogt all-quantities in units of 1,000 gallous.

verse-side of this form to report diversion from individeal wells, when required, and to report water from and/or to resystems.

ain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you.

Ins of Items 1 and 2 should equal the sums of Items 3 and 4.

er data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

₹ PERMITTEE			WATER ALLOC	ATION PERMIT #
ADDRESS 504 ONE IDA	ISHIP WATER DEP	T. WESTMONT	STATE NJ	08.108
	FOR THE YEAR:	_	F DIVERSION IN UNIT	S OF 1,000
ch 31	1990	lst Month	2nd Month	- 3rd Month  Tun U
rsion from own sources	Surface	APRIC	MAY	
	Wells	51,144	55,160	46,826
•	Total	51,144	55,180	46,826
4-Com other systems (see 6)		000	800	000
	^	000	500	000
diversion for territory served (see 8)		51,14.4	55,160	46,826
w is diversion determined? If estimate	ed, give basis of estimate	And Wilde	5 METERED	(,
1 1 h makes in received	NONE			
stems from which water is received  stems to which water is delivered	NONE	w v		
unicipalities supplied in territory serve	ed ONE			
opulation supplied in territory served	12 000	<u></u>	1.5	
ummer population (if different than a	/1	:		
Number of service connections in territ			4.41	
Number of service meters in territory s				
·		<del></del> ,		i .

LES	A.	STEVENSON
 Name	(Pleas	e Print)

SUPT. OF WATER & SEWER

Chulles A Ferences
Signature



YV.	LEVEL DATA	Method Used —  M Scope	Air Line Tap	i : : : : : : : : : : : : : : : : : : :
31-29099 / / 31-28896 / / 3429 / /  s in feet below sea level.  ANALYSIS**  No. Date Taken Analysis Results (me CHLORIDE SODI	Well Permit No.	Date Taken	Site Elevation	Level*
31-28896  3429  s in feet helow sea level.  ANALYSIS**  No. Date Taken  Analysis Results (me Chioride Sodi	31855	/ !	SEE ATTACHED	SHEETS
3429  s in feet below sea level.  ANALYSIS**  No.  Date Taken  CHLORIDE SODI	31-29099	/ /	·	
3429  s in feet below sea level.  ANALYSIS**  So.  Date Taken  CHLORIDE SODI	31-28896	/ /		
NALYSIS**  No. Date Taken Analysis Results (mo	3429		:	
NALYSIS**  No. Date Taken Analysis Results (mo				
No. Date Taken Analysis Results (mo	in feet below sea level	<b>!.</b>		•
CHLORIDE SODI	NALYSIS**			
	D.	Date Taken		Analysis Results (mg/1) CHLORIDE SODIUM
	355	/ /		***************************************

ther monitored contaminants

1-29099

11-28896

.429

MARS

### NSHIP OF HADDON - - - WATER WELL DRAW DOWNS

33

25 /530

# MONTH APRIL MYO

ME TIME	STATIC HEAD	PUMPING LEVEL	DRAW DOWN		SP.CAP.
4 0730	17 CF	٧ .	·.	495	
1 00	1			•	
- c7					
25 07/3					•
LL #2					
ATE TIME	STATIC HEAD	PUMPING LEVEL	DRAW DOWN	8/5	
<u>//</u>	71.6	5 /100 106.	33	•	24.3
	710	12 3 15 110	39	<b>.</b>	
18 200	75,0	19 ,00 109	34	_	
-	74.0	26 130 111	37	_	
<u> 15 /130</u>	7770	~ · · · · · · · · · · · · · · · · · · ·	•	_	
HELL #3					
TIME	STATIC HEAD	PUMPING LEVEL	DRAW DOWN	860	
4 1400	- 84	5 1.315 10	20		43
	81	12 :330 96	15	<u> </u>	· ❤
•	80	15 yus 100	20		4.
18 1315		26 132 100	22	·	
28 1300	<del>78</del>	26 100 10			
WELL #4			DOME DOME	Ses.	1.6
DATE TIME	STATIC HEAD	PUMPING LEVEL	DRAW DOWN	<del></del> .	a r:
4 11.15	.54	s 1502 86	<u> </u>		
11 1500	41	12 1530 81	90	<u> </u>	20
	<u> </u>	P_100 81	39		20,5
18 15.30	7-	//		1	

# WISHIP OF HADDON - - - WATER WELL DRAW DOWNS

# MONTH MAY1990

11 #1

TE TIME	STATIC HEAD	PUMPING LEVEL	DRAW DOWN	<u>GPM</u>	SP.CAP.
<del></del>	SENUIT 6				
6				•	
<u>'.3</u>				-	•

ELL #2

				DRAW DOWN
TATE	TIME	STATIC HEAD	PUMPING LEVEL	UKAW DONN
	<del></del>	75	= 1100 109	34
2_	1100			3<
۵,	1015	77	): 1115 112	
		7/	11 1130 110	$3\psi$
16	1000	<u> </u>		24
22	1130	<i>75</i>	21/1/20 101	<del>- 97</del>
رس	71,30			į

WELL #3

MCCC "	•	* <b>6</b>	1 CVE1	DRAW DOWN
DATE	TIME	STATIC HEAD	PUMPING LEVEL	
7.	1400	80	3 BIS KO	20.
2	1230	80	10 BBO 97	17
<del>-</del>	72.50	8/	12 1420 99	18
46	/3/5		ad 1430 99	18
23	<u>30</u>		<u> </u>	

WELL #4

UATE	TIME	STATIC HEAD	PUMPING LEVEL	5
OAIC	14.15	. 42	3 15cm 31	
<u> </u>	100,000	27	10 130 82	:
<u> </u>	1300	-01	17. 1600 81	•
16	<u> </u>	37	7600	٠:
23	/530	42.	14 1445 51	

ET .
------

DATE	TIME	STATIC HEAD
6	9_	SURVICES.
13	9	
20	100	79.5
27	930	79.5

	PU	1P I NG	LEVE	<u>.</u>
		' <i>a</i>	80.7 50RU	_
سار.	<b>N</b>		1.	
	14_	. /0	. //	
	5.	:9	103,	5
	.2.	1/930	100	1,5

DRAW DOWN	<u>GPM</u>	SP.CAP
24		
25		
	•	

 A	E	L	L	H	2

DATE	TIME	STATIC HEAD
<u>-</u>	//	74-
/3	. /	77
20	1200	74
27	//30	75

PUMPING LEVEL			
;,	1115		
71	12	99	
27	1)	101	
2!"	1130	100	

DRAW DOWN			
37			
22			
2.5			
25			
•			

### - WELL #3

	TIME	STATIC HEAD
b	1300	81
13	, % <b>v</b>	82
20	1410	78
27.	7430	8:3

PUMPING LEVEL			
;!	1330	10/	
14	1400	100	
11	1300	103	
!5	135	<u>/u/</u>	

DRAW	DOWN	
3	20	
·	18	
:	2.5	
	18	

### WELL #4

	•	
DATE	TIME	STATIC HEAD
<u>.</u>	1530	: 42
13	1530	_4/
20	1615	134
27	1655	<u> 4</u> 0

PUMPING LEVEL			
7 16	8.1		
14 /130	<b>8</b> 0		
:1. 530	84		
28 1600	80		
	***		

E	DRAW DOWN
•	- - 37
	39
	48
:	40

### NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF WATER ALLOCATION CN 029, TRENTON, NJ. 08625



### PUBLIC WATER SUPPLY DIVERSION REPORT

#### ICTIONS:

ME OF PERMITTEE

Reports must be filed within 30 days following the close of each quarter.

Port all quantities in units of 1,000 gallons.

reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to other systems.

tain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you.

sums of Items 1 and 2 should equal the sums of Items 3 and 4.

Other data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

HADDON TOW	NSHIP WATER DEF	PT.	523	
ET ADDRESS 504 ONEIDA	CIT		STATE NJ	08108
THE QUARTER ENDING:	FOR THE YEAR:	SUMMARY C	F DIVERSION IN UNE	rs of 1,000
arch 31 ⊠ Sept. 30 ine 30 ☐ Dec. 31	1990	1st Month	2nd Month  AUGUST	3rd Month September
Diversion from own sources	Surface	JULI	7400431	367727702
	Wells	48,983	47,084	43,409
	Total	48,983	47,084	43, 409
eceived from other systems (see 6)		000	000	000
relivered to other systems (see 7)		000	000	000
Net diversion for territory served (see 8)		48,983	47,084	43, 409
low is diversion determined? If estimate	ed, give basis of estimate	ALL WELLS	S METERED	
Systems from which water is received	NONE	:		
Systems to which water is delivered	NONE			
Municipalities supplied in territory serve	ONE			
Population supplied in territory served	12,000			
Summer population (if different than ab	ove)	•		:
Number of service connections in territor				:
	.,			
Number of service meters in territory se	1			

CHRALES A. STEVENSON

Name (Please Print)

SUPT. OF WATER & SEWER

Title

Signature

WATER ALLOCATION PERMIT #

Method Used — M Scope XX Air Line

Tape (Check appropriate bo

Level\*

Well Permit No.	Date Taken	Site Elevation
31-5243	-	5 SEE ATTACHED SHEETS
31-29099	/ / 54,	0
31-28896	/ / 53,0	o
31-4857	1 / 44.	.0

5235

nts in seet below sea level.

### ANALYSIS\*\*

31-5243

1 099

**31-28896** 

31-4855

Da	te	Taken	

715 190

7/5/90

7/5/90

7/5/50

### Analysis Results (mg/1)

CHLORIDE SODIUM-

4,4

4,3

<u>د، و ی</u>

5.1

7.7

2.2

5

other monitored contaminants

Nov 20 \*90

DEPT. PHY TO TED!

# OWNSHIP OF HADDON - - - WATER WELL DRAW DOWNS (MSL)

# MONTH JULY 1990

WELL #1 #31-5243	:	•	
DATE TIME STATIC HEAD	PUMPING LEVEL	DRAW DOWN	GPM SP.CAP.
5 0908 P9.5	G 105, S	26	45 19
12 0900 = 79,5	E:105,5	26.	
19 1030 = 79.5	C 105.3	26	
26 0930 EN 80,5	E- 104, 5	24'	
WELL #2 # 31-29099		·	
DATE TIME STATIC HEAD	PUMPING LEVEL	DRAW DOWN	8:15 24
5 1100 (376	67/11/	35	
12 1100 (36)	6:3 110	34	<del>-</del> -
19 1200 (27)	c: 1.10	34	-
al 1/30 977	<u> </u>	31	
WELL 13 # 81-24896	:		
CTATIC USAD	PUMPING LEVEL	DRAW DOWN	860 46
- 0 (4)	@ 100	19	
91	€ 99	18	
	÷ 99	18	
0 01	<i>⊕ 10</i> 0 ∗	19	
- 175	<u></u>	1	· · · · · · · · · · · · · · · · · · ·
WELL #4 22-48-53	PUMPING LEVEL	DRAW DOWN	200 20
<u> </u>	€ 82	40	
5 39	81	42	· · · · · · · · · · · · · · · · · · ·
2 42	€Ð. 8L	40	
1/14 1/15	•		

80

1600

26

# -- OWNSHIP OF HADDON - - - WATER WELL DRAW DOWNS (MSL)

MONTH ALIGUST 1990

# WE 1 - # 31-5243 Q AIR

		!
Ø	AIR	CINE

	-	
JATE	TIME	STATIC HEAD
7	0900	79,5
14	o GCV	- 79.5
-21	1000	- 79, 3
28	<i>ë93</i> 0	- 78.5

DRAW	DOWN (FF)	GPM	SP.CAP
2	6		· ·
	<u> </u>		
2	76		
	6		

DATE	TIME	STATIC HEAD
7	1100	<del>- 77</del>
14	נים ון	- 81
21	1210	- 80
28	1130	- 82

WELL 13 #31-2889L.

WELL 12 # 31-29099

01	RAW DOWN	
	33	
	33	
_	33	
	34	
!		

	TIME	STATIC HEAD
7	1300	- 77
14	1300	- 77
21	1400	- 79
28	1430	<del>- 78</del>

<u></u>	RAM DO	<u> </u>	
•	24		 _
1	23	: ¶	 
-		·	
. –	22		 _
	24		

WELL #	14 4755		
DATE	TIME	STATIC HEAD	
7	1530	- 46	
14	1530	- 45	
21	1615	- 49	
28	1630	- 6/	
1			

DRAW DOWN			
:			
:			

SP.CAP.

### TOWNSHIP OF HADDON - - - WATER WELL DRAW DOWNS

WELL WI	4.14	
ATE TIME	STATIC HEAD	PUMPING LEVEL
5 8900	-80,5	- 105,5
12 0900	- 76,5	- 99,5
-19 1000	-775	- 100,5
26 0930	- 76,5	- 55.5
IELL 12		
DATE TIME	STATIC HEAD	PUMPING LEVEL
5 1100	- 76	- 110
12 1000	- 82	- 114
19 1200	-80	- 111
26 1230	- 80	1/2
WELL #3		
DATE TIME	STATIC HEAD	PUMPING LEVEL
5 1300	<del>- 77</del>	
/2 /300	- 8/	- 105
19 1400	- 78	- 102
26 1430	- 79	- 106
WELL #4		• :
DATE TIME	STATIC HEAD	PUMPING LEVEL
5 1530	- 50	· 8·4

ļ	DRAW DOWN	GPM
	25	
	_23	: -
•	23 23	
: :	23	-
•	DRAW DOWN	_
	34	_
;	32	
	31	
į	32	_
	DRAW DOWN	
	26	
	24	<del></del> :
	24	<del></del>
_	27	<del></del>
<u>L</u>	DRAW DOWN	·
	34	
_	50	
	50 48 49	<del></del>
_	49	
	: '	

85

\$4

85

1530

1615

1630

# BUREAU OF WATER ALLOCATION

CN 029, TRENTON, N.J. 08625

### PUBLIC WATER SUPPLY DIVERSION REPORT

ports must be filed within 30 days following the close of each quarter.

ort all quantities in units of 1,000 gallons.

reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to her systems.

in the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you.

sums of Items 1 and 2 should equal the sums of Items 3 and 4.

ther data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

			ATION PERMIT #	
CITY		STATE	ZIP 08108	
1990	1st Month	2nd Month	- 3rd Month D <i>をCET</i> の日世化	
		35,458	35,991	
		35, 458	35,991	
	000	000	000	
	000	000	000	
Pelivered to other systems (see 7)  Net diversion for territory served (see 8)		35,458	35,991	
, give basis of estimate	ALL WELL	S METERED		
NONE	дылан құш жүкій			
NONE		· · · · · · · · · · · · · · · · · · ·	•	
ONE				
12,000				
ve)			:	
y served	<u> </u>			
ved4,149			· ·	
	AVE OR THE YEAR: 1990 Surface Wells Total  Recommendate NONE NONE 12,000  y served 4,149	1990   1st Month	STATE   SUMMARY OF DIVERSION IN UNIT   1990   1st Month   2nd Month   NOVEMBER   Wells   44,753   35,458   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000   000	

	Name (	Pleas	e Print)
	ALES	Α.	STEVENSON
٠,			•

SUPT. OF WATER & SEWER

Title

ATER	LEVEL	DATA	M

Method Used — M Scope X Air Line Tape (Check appropriate box)

Well Permit No.	Date Taken	Site Elevation
31855	/ /	+53,5 SEE ATTACHED SHEETS
31-29099	/ /	+54.0
31-28896	1 /	+ 53.0
3429		+ 44.0

ents in feet below sea level.

#### E ANALYSIS\*\*

t_No.	Date Taken	Analysis Results (mg/1) CHLORIDE SODIUM
31855	/ /	CHECKIDE SODIUM
31-29099	~ <b>*</b> / /	
31-28896	/ /	didama didama manana di anggaranana
3429	/ /	<u> </u>

other monitored contaminants

FE3 26 '91

### TOWNSHIP OF HADDON - - - WATER WELL DRAW DOWNS

# MONTH OCTOBER 1990

W W1	+53,5

ENTRY VA.

W + 53	3,5			
DATE TIME	STATIC HEAD	PUMPING LEVEL	DRAW DOWN	GPM SP.CAI
45 9/9	-76.5	-/66,5	. 24	bov
11/12 9/10	-78.5	-101,5	<u>23 ·                                    </u>	625
8/19 10/9	<del>-77,5</del>	-100:5	23	625
15/26 93/930	-77.5	-101,5	24	620
WELL #2 +54	-77.5	-100,8	23,5	(22) (26,5
DATE TIME	STATIC HEAD	PUMPING LEVEL	DRAW DOWN	_
4/12 1/1115	-82 \$	<u>- //3</u>	92	_ 640
11/12 11/12	-86. B	- 112	32	_ 625
18/19 /2/11	-80,8	~ // 0	31	_ 630
25/26 130/1130	-82.0	- 111	30	625
WELL #3 + 53,	-8/	(-111.5)	31,3	(30) 20,1
TIME	STATIC HEAD	PUMPING LEVEL	DRAW DOWN	
4/5 13/1330	-79.0	- 104	24	825
11/12 13/1400	-80.00	- 105	24	800 .
18/19 14/13	-79.0	- 105	25	80v
25/26 1430/1330	-78.0	~ 104	25	800
WELL #4 +44	,0. (-79)	-104,5	24,5)	80% (32.9
DATE TIME	STATIC HEAD	PUMPING LEVEL	DRAW DOWN	<del>_</del>
4/5 \$30/14	-:39	<u> </u>	48	825
11/12 1530/1630	<u> -3'7</u>	- 86	49	8 <b>&lt;</b> 0
18/19 1615/1530	-35	- 85	50	825
25/26 1130/14	-36	- 85	49	800
1 10071	(-37)	-85.8	49	§25) (16,8
			<u>)</u>	

### OWNSHIP OF HADDON - - - WATER WELL DRAW DOWNS

# MONTH NOVEMBER 1990

GPM

600

८२८

625

622)

SP.CAI

(25,9)

DRAW DOWN

20

27·

13

25

24)

1E	LL	# I	53.5

DATE TIME	STATIC HEAD
16 9/920	<u>-78,5 · </u>
12/3 9/10	-71.5
3/20 10/9	- 77r S
7. /	
26/17 930/730	- 76.5
WELL #2 54	(10)
DATE TIME	STATIC HEAD
5/6 1/1130	<del>- 71</del>
2/13 11/12	~ 77
19/20 17/11	~ 78
127 1/20/AZ	-78
WELL #3 53	(-77.5)
WELL #3 53	
DATE TIME	STATIC HEAD
5/4 14/1330	- 80
12/13 13/14	<u>~ \$9</u>
1/20 1190/13	79
2427 1430/1330	- 81
WELL #4 44	-80
DATE TIME	STATIC HEAD
	_ 29
15/6 16/1530	<del>- 37</del>
14/13 1530/1630	<del>- 34</del>
19/20 145/1530	-36
20/27 10/14	_ 35
- V- X	

<del></del>
- 1/2
- 113
- 114
(112.5)
PUMPING LEVEL
- 108
- 103
- 105
- 105
(-105)
PUMPING LEVEL
- 85
_ 84
~ 83
82
-83,5

PUMPING LEVEL

98.5

28.2

100,5

101.5

(too)

PUMPING LEVEL
- //5

DRAW DOWN	•
38	646
35	625
35	630
36	625
(36)	625 (7.5
DRAW DOWN	
28	825
<u>24</u>	800,
26	_ 802
24	800
25,5	806 31.6
DRAW DOWN	-
46	<b>825</b>
50	_ &
47	85
47	_ 800 _
47	823) (7,

### OWNSHIP OF HADDON - - - WATER WELL DRAW DOWNS

# MONTH DECEMBER

_	4	h
Ε		
_		

53,5

2001 3313					
DATE TIME	STATIC HEAD	PUMPING LEVEL	DRAW DOWN	GPM	SP.CAI
1 9/930	-78,5	99.5	- 23	630	2714
12/13 2/10	- 78.5	- 98,5	20		
1/20 10/9	<b>一 タテ. S</b>	- 100,5	٤3		
24/12 990/930	- 79,5	- 101.5	52		
WELL #2 54	<del>-78</del>	(-1,00)	22		27.4
DATE TIME	STATIC HEAD	PUMPING LEVEL	DRAW DOWN		
5/4 11/1130	- 76		<u> 3</u> Ç	. 630	17.5
4/3 11/12	<del>- 78</del>	- //3	35		
19/20 12/11	76	- 112	35		
-4/27 1130/130	<del>- 77</del>	- 111	34	•	
WELL #3 53	(-77)	-112	35		(17,5
DA TIME	STATIC HEAD	PUMPING LEVEL	DRAW DOWN		
5/6 14/1330	<u> </u>	- 103	24	<u></u> දින්න	<b>33.</b> 3
12/13 13/14	79	103	24		▼.
9/20 14/13	-81	- 105	24		
2.6/27 1430/1330	-8/	- 104	23	`	
WELL #A 44	(-80)	(-104)	(24)	800	33.3
DATE TIME	STATIC HEAD	PUMPING LEVEL	DRAW DOWN	·	•
5/6 16/1530	OUT OF	SERVICE	service	<u> </u>	
12/13 1530/1630	, <u>- ju</u>				
19/20 16/5/1530	· <u>- 36</u>	83	47	<del></del>	
26/17 1630/14	_ 34	- 82	48		
7	(-35)	(-82.5)	(47,5)	1825	(17.4)



# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION

CN 029, Trenton, N.J. 08625-0029

#### 211123D

WATER ALLOCATION PERMIT #

49.5

### PUBLIC WATER SUPPLY DIVERSION REPORT

7	О	Λ	IS

OF PERMITTEE

ports must be filed within 30 days following the close of each quarter.

rt all quantities in units of 1,000 gallons.

everse side of this form to report diversion from individual wells, when required, and to report water from and/or to ter systems.

n the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you.
e sums of Items 1 and 2 should equal the sums of Items 3 and 4.

har data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

	NSHIP WATER DE	PARTMENT	to be see 5	135	
E ADDRESS 504 ONEIDA	AVENUE	TY HADDON TWP.	STATE	ZIP 08108	
THE QUARTER ENDING:  h 31	FOR THE YEAR:	SUMMARY OF DIVERSION IN UNITS OF 1,000			
version from own sources	Surface	1st Month  TANUARY	2nd Month FEBRUARY	3rd Month	
· -	Wells*	37,429	31,587	35, 877	
	Total	37,429	31,567	35, 877	
ceived from other systems (see 6)		000	000	000	
ered to other systems (see 7)	•	000	800	000	
t diversion for territory served (see 8)		37,429	34,567	35,877	
w is diversion determined? If estimate	d, give basis of estimate	List individual well	usage on reverse side o	form	
ALL WELLS ARE METER	RED.		-	·	
stems from which water is received	NONE		1		
ms to which water is delivered	NONE	·			
nicipalities supplied in territory served	ONE				
lation supplied in territory served	12,000		54.5		
ner population (if different than above	ye)				
mber of service connections in territory	served4,149			·	
ber of service meters in territory serve			77.		
				<u> </u>	

MAZ

KLES A. STEVENSON

me (Please Print)

enny SI

SUPT. OF WATER &

4/26/9

Signature

/ r

297

or Marian

WATER	LEVEL DATA	Method Used —	☐ M Scope	Air Line	☐ Tape	(Check appropriate box)	
	Well Permit No.	Date To	aken	Site Ele	vation	Level*	Total Head**
A.	31-5243	/	/	+53	. 5	SEE ATTACHES	) _ কেম্টুক্
• <b>A</b>	31-29099	/	1	+54	.0	n Ha <b>ise (ant</b> 1 In The American	- · ·
Ā	31-28896	/	1	+ 53	. 0	in the second second	
	31-4855	/	/	+44	.0	A A TALE	-

th to Water in Feel

ements in Feet From Sea Level (Total Head = Site Elevation - Static Level)

RIDE ANALYSIS		Property of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second
rmit No.	Date Taken	Analysis Results (mg/1)
1 ~5 2 4 3	3 119 191	1.4
1-29099	3119191	2. <del>7.</del>
1-288-6	- 3/19/5/	1.8
1-4855	3119191	2.4
		and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s

UAL WELL	USAGE***	i managa i managa i ma			
Yell No.	Well Permit No.	Month 1	Month 2	Month 3	
<b>A</b>	31-5243	17,934	18,286	19,593	2
2 · · · <b>A</b>	31-29099	4,915	2,664	1997 11 <b>24</b> 39/	# <b>₩</b> .&
<b></b>	31-28896	6,152	12 13 19	4,44/	e esta
٠ <b>۵</b> .	31-4855	8,425	6,819	7,451	esse of

r of 1,000

. DWR-017 B

1. 1.

Mana



### WATER WELL DRAW DOWNS

# HONTH JANUARY 199

### TL #1

$\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}{900}$ $\frac{9}$	P.CAI
	273
	28.4
; 1000 _ 78,5 /F 0700 - 98,5 _ 20 625	31.2
23 0930 -77.5 24 0930 - 100.5 23 610	26.5

### LL #2

TITE	TIME	STATIC HEAD	PUMPING LEVEL	DRAW DOWN	
2	1100	-78	3 1105 -111	34	750
;	//00	-78	10 /200 - 111	34	700
16	1200	<del>- 77</del>	17 1100 - 112	36	750
3	//30	<del>-79</del>	24 1130 -113	<u>35.</u>	770

### WELL #3

OATE	TIME	STATIC HEAD	PUMPING LEVEL
2	1400	<u>~ 79 </u>	$3 \cdot 1330 - 103$
7	1300	<del>- 79</del>	10 1900 - 103
·6	1400	<b>-79</b>	17 1300 - 103
23	1430	_8/	24 1330 -164

### LIELL #4

	TIME	STATIC HEAD	PUMPING LEVEL
2	1600	- 34	3 1530 - 82
9	1530	_34	10 1630 - PZ
16	1615	- 36_	17 1530 - 83
23	1630	_36	24 1400 - 83

# DRAW DOWN

24	750:	#31.3
24	750	×31.3
24	700	29.2
2.3	725	31.5

20.6

20,8

**22.**0 ...

# DRAW DOWN

YYA	825
LIVE Y	830 17.3
47	800 17.0
FQ7	830 17.7

### INSHIP OF HADDON - - - WATER WELL DRAW DOWNS

### HONTH FEBRUARY 1781

-1	
	<del>- 1</del>

ATE TIME	STATIC HEAD	PUMPING LEVEL
<u>'- 8700</u>	<del>-75.</del> 5	7 930 - 985
13 1905	-77,5	14 1000-100.5
> /000	<u>-78.5</u>	21 0900 -98,5
7 0930	<u>-77.5</u>	28 430 -100.5
WELL #2		
ITÈ TIME	STATIC HEAD	PUMPING LEVEL
6 1100	78	7 1100 -128,5
13 1101	77	14 1200 - 1/2
70 /260	<del>-77</del>	21 1100 -112
27 //30	<del>-78</del>	28 1130 -113
ELL_13		•
DAT TIME	STATIC HEAD	PUMPING LEVEL
6 1400	73	7-1330 -106
13 1300	-79	14 1400-103
20 1400	<u>-73</u>	21 1300 -106
22 1430	~74	28 1330 -105
WELL #4		
	CTATIC HEAD	PUMPING LEVEL

DRAW DOWN	GPM	SP.CAP.
23	625	27.2
23		
20		
23		
DRAW DOWN		
43	_ <del>77</del> 0	17,9
86		
36	•	
34	,	***
		•
DRAW DOWN		•
33	_ <del>7</del> so	2" SS' 3
24		•
33		
3/		•
	e deserve says - e	

DATE	TIME	STATIC HEAD	
6	1600	-44	
<u>/3</u>	1530	-36	
_20	1615	_4/	₹
27	/630	-41	

PUMPING LEVEL
7 1530 - 16
14 1630 - 83
21 1530 -82
28 1400 -82
V

# MONTH MADER 1891

### WNSHIP OF HADDON - - - WATER WELL DRAW DOWNS

DATE TIME	STATIC HEAD	PUMPING LEVEL	DRAW DOWN	<u>GPM</u>	SP.CAP.
5 0900	77.5	6 930 -1005	23		•
12 0900	- 77.5	13 930 -100,5	23		
9 0900	728,5	20 930 - 98,5	<u> </u> 70		
26 0930	_ 77.5	27 930 -98,5	7.7		•
mill 12			2 (1) 2 (1)		
ATE TIME	STATIC HEAD	PUMPING LEVEL	DRAW DOWN		
5 1100	<del>- 77</del>	6 1130 - 112	36	-	
12 /100	<del>- 78</del>	13 1130 -111	34		
19 1100	<del>- 78</del>	20 1100 -11/	34		
16 /130	<del>- 78</del>	27 100 -111	34		_ <del>**</del>

### "ELL #3

	-		•	
DATE	TIME	STATIC HEAD	PUMPING LEVEL	DRAW DOWN
5	1400	73	6 -1400 - 106	_33
12	MUD	<del>-73</del>	13 1400 - 106	_33
19	1400	<del>-7</del> 4	20 /400 -105	_3/
26	1430	<del>-73</del>	27 1400 - 104	_3/

### WELL #4

DATE	TIME	STATIC HEAD	
5	1630	4/	•
12	1700	-4/.	/-
19	1600	_44	2
26	/630	-40	2

# PUMPING LEVEL 6 1630 - 82 13 1630 - 87 20 1600 - 86 24 1630 - 83

7 - 18 - 18 - 18 - 18 - 18 - 18 - 18 - 1
DRAW DOWN
4/2
41
42
43

REFERENCE NO. 16

### WATERA DATABASE

JER: <u>J173_</u>
: Merchantulle - Pennsauken Water
Y: Merclipinty 11 Le STATE: NJ ZIP: 08/09
DNE: ( )
NE: ( )
TY1: 57 COUNTY2: BASIN: D CRITAREA: 1 CRITNAME: 2 PINELAND: N
RUSE: P MGY: MGM:356.5 GPM: 11510
#TE: mm d d y y y y EXDATE: mm d d y y y y y
iTYPE: € MGD:1L.5_ HE.RING: N
 ド: ビモュ UPDATE: / FLAG: _

### WATER SOURCE

# merchantulle - Rennsauten

ID: 3101417 LOCID: DEL_GARD_Q USGSUID: 070341
15800 LON: 750417 LLACC: NJC: 3102433 COUNTY: 09 MUN: 29
D CRITAREA: 2 CRITNAME: 2 PINELAND: N GEO1: GLMR GEO2:
141_ DOPEN: 115_ BOPEN: 145_ CAPACITY: 700 MGM:
Th. 21.22015 100th 11.40 17.41 1 180811th 67.335
TD: $3102915$ LOCID: $MAR_{10N} = 1$ USGSUID: $0.70335$
10720 LON: 250225 LLACC: NJC: 3103561 COUNTY: 97 MUN: 27
CRITAREA: CRITNAME: Q PINELAND: _N GEO1: GRMR GEO2:
00PEN: 242 BOPEN: 277 CAPACITY: 1000 MGM:
EID: $OCID: MARION A USGSUID: O70332$ $95711 \text{ Lon: } 750220 \text{ LLACC: } \text{ NJC: } 3102551 \text{ COUNTY: } 07 \text{ MUN: } 27$ $OCID: MARION A USGSUID: O70332$ $OCID: MARION A GEOI: OCIDE OF MUN: 27$ $OCID: MARION A GEOI: OCIDE OF MUN: 27$ $OCID: MARION A GEOI: OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE OCIDE O$
EID: 3104836 LOCID: BROWNINGIA USGSUID: 370329
LON: LLACC: NJC: COUNTY: MUN:
1: D CRITAREA: 1 CRITNAME: Q PINELAND: N GI 01: € MR_ GE02:
1 1 40 DOPEN: 110 BOPEN: 140 CAPACITY: 900 MGM:
LEID: 31_05110 LOCID: NATL_HWY_L USGSUID: 270372
395962 LON: 750153 LLACC: _ NJC: 3102346 COUNTY: Q7 MUN: 27
N: CRITAREA: 2 CRITNAME: PINELAND: N GEO1: GKMR GEO2:
1. 23 /_ DOPEN: 195 _ BOPEN: <u>230</u> _ CAPACITY: 1000 MGM:

# Merchantrille - Rennonuken

ID: GIOCOLO LOCID: PARK AVE I USGSUID: C 75349
<u> 15900</u> LON: 750111 LLACC: NJC: 3108613 COUNTY:07 MUN: 21
D CRITAREA: 2 CRITNAME: Q PINELAND: N GEO1: GENTR GEO2:
394_ DOPEN: 340_ BOPEN: 300_ CAPACITY: 1005 MGM:
ETD: 5100064 LOCID PARK AVE Q USGSUID: 37035
115800 LON: 750118 LLACC: NJC: 2108613 COUNTY: 07 MUN: 22
: D CRITAREA: 2 CRITNAME: D PINELAND: N GEO1: GKMR GEO2:
: 这と 込 _ DOPEN: ふろみ _ BOPEN: スラブ _ CAPACITY: <u>1000</u> MGM:
EID: 3103534LOCID: <u>PARIL AVE</u> 3 USGSUJD: 370348
195801 LON: 150119 LLACC: NJC: 3102379 COUNTY: 07 MUN: 27
: D CRITAREA: 2 CRITNAME: 2 PINELAND: N GEO1: 6 KMR GEO2:
: \$17_ DOPEN: \$40_ BOPEN: \$25_ CAPACITY: 1000 MGM:
ETD: 3100011 LOCID: PARK AVE 5 USGSUID: 070345
Talina LON: ELACC: _ NJC: SELECTION COUNTY MUN
: D CRITAREA: △ CRITNAME: ☑ PINELAND: ✓ GEO1: ⑥ ∠ 서  GEO2:
390_ DOPEN: 248_ BOPEN: 288_ CAPACITY: 1005 MGM:
3···
LaD: 3114564 LOCID: PARK AVE & USGSUID: 270530
795755 LON: 750127 LLACC: NJC: 3102613 COUNTY: 07 MUN: 27
1: D CRITAREA: 2 CRITNAME: 2 PINELAND: Ŋ GEO1: @KMR GEO2:
: 270 DOPEN: 240 BOPEN: 270 CAPACITY: 1000 MGM:

### WATER SOURCE

<u>517</u> 3	•	•
	<b>20</b>	
mey chambally -	Kennauc	KK. O. C.

.10: <u>5</u> 1	19207	LOCID: NAT	L HWY S	USGSUID:	
_		135 LLACC: _ NJC	•	the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	
		CRITNAME: 🗘 PINELAN			,
		_ BOPEN: <u>ఎஓ</u> _ C			
	**			· · · · · · · · · · · · · · · · · · ·	
EnD:		LOCID:		usgsuro:	
	LON:	LLACC: _ NJC	:	COUNTY:	MUN:
:	_ CRITAREA: _	CRITNAME: _ PINELAN	D: _ GEO1: _	GE02:	
::	DOPEN:	BOPEN: C	APACITY:	MGM:	_ •
L.D.	<del></del>	LOCID:		USGSUID:	
· '	LON:	LLACC: _ NJC	;:	COUNTY:	MUN:
	_ CRITAREA: _	CRITNAME: _ PINELAN	ID: _ GE01: _	GE02	
		BOPEN: C	CAPACITY:	_ MGM:	_ ·
					N-
		LOCID:		i i i i i i i i i i i i i i i i i i i	
		LLACC: _ NJC			
l:	_ CRITAREA: _	CRITNAME: _ PINELAM	ND: _ GEO1: _	GE02	:
·	DOPEN:	BOPEN:	CAPACITY:	MGM:	_ •,
			•		
C_ID:		LOCID:		USGSUID:	
	LON:	LLACC: _ NJ	C:	_ COUNTY:	MUN:
V:		CRITNAME: _ PINELA			
	_ DOPEN:	BOPEN:	CAPACITY:	MGM:	•
	4				<b>^</b>

### NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION CN 029, TRENTON, N.J. 08625



### PUBLIC WATER SUPPLY DIVERSION REPORT

CTIO	NS:
------	-----

orts must be filed within 30 days following the close of each quarter.

ort all quantities in units of 1,000 gallons.

se reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to respect to report water from and/or to respect to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or to report water from and/or t

he sums of Items 1 and 2 should equal the sums of Items 3 and 4.

er data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

OF PERMITTEE	•		WATER ALLO	CATION PERMIT #
ET ADDRESS	COUNTY IN CIT	rv	STATE	ZIP
- W. MAPLE AVE.	Hrenayon	_	J. 08109	÷ 211
IE QUARTER ENDING: F	E QUARTER ENDING: FOR THE YEAR:			TTS OF 1,000
warch 31	1990	lst Month	2nd Month	3rd Month
ersion from own sources	Surface	0	d	d
•	Wells	171,471	146. 273	165,493
	Total	171,471	146,273	165,493
Preived from other systems (see 6)		6	·d	0
Delivered to other systems (see 7)	·	Ø	Ø	6
diversion for territory served (see 8)		171,471	146, 273	165, 493
Yow is diversion determined? If estimated,	give basis of estimate	HETER	ED	
tems from which water is received	Naue			
Systems to which water is delivered	NOUE			
nicipalities supplied in territory served	MERCH BUYU	ILIR PENDSON	UKS P/O EHRAN	Hice, Condas
Population supplied in territory served	50,000			
Summer population (if different than above	)			
mber of service connections in territory s	served14 57	15		
Number of service meters in territory served	14 48	6	``	
307				

TC WATER LEVEL DATA		Method Used —	☐ M Scope ☐ Air Line	☐ Tape (Check ap	propriate box)	
<u>'o.</u>	Well Permit No.	Date Taken	Site Elevation	Static Level*	Total Head**	
22	3/0/4/7	/	6 Z	64	-2	
4	31 05110		69	90	-39	
4/	3180010		25	49	- 24	
· #2	5100064	4	28	50	-22	
43	3/035-34	90/	ラン	65	-33	
··· <b>4</b> 5	3100011	/ مار	35	55	- 20	
	349207		42	57	-15	
	3.114564		45	74	32	
	3102915		62	113	-51	
	sia +64/ 8104836 /	<i>,</i>	6+	107	-43	
7A 3	ater in Feet		なし	5/.	-19	
		and Track Hand	22	45	-43	
zasurements in Feet From Sea Level (Total Head = Site Elevation - Static Level)						

#### ORIDE ANALYSIS

ermit No.

Date Taken

Analysis Results

# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION CN 029, Trenton, NJ. 08625-0029

#### PUBLIC WATER SUPPLY DIVERSION REPORT

#### TIONS:

orts must be filed within 30 days following the close of each quarter.

t all quantities in units of 1,000 gallons.

reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to ex-systems.

n the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you.

; sums of Items 1 and 2 should equal the sums of Items 3 and 4.

data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

wds.			HENN	ISHULLEN			
OF PERMITTEE.	ALIET O		WATER ALLO	CATION PERMIT #			
hantell Cansacke	M Water Com	<u>M </u>	STATE	ZIP			
W Mush Arx	Merchanty	{{_	N. T.	- 08/09			
QUARTER ENDING:	FOR THE YEAR:		F DIVERSION IN UNI	TS OF 1,000			
ine 30	1990.	1st Month	2nd Month	3rd Month			
sion from own sources	Surface	6	$\phi$	$\emptyset$			
-	Wells*	155.745	178.250	188,306			
	Total	15\$745	178.250	188-306			
eceived from other systems (see 6)		b	ø	\$.			
e vered to other systems (see 7)		Ø	Ø	Ø .			
e '-liversion for territory served (see 8)			178.250	188.306			
ow is diversion determined? If estimated, give basis of estimate  * List individual well usage on reverse side of form  Me Te ned							
ystems from which water is received NONE							
ystems to which water is delivered	None						
1 vicipalities supplied in territory served Merchantula, Parasauken Pochery Hill + Camples							
opulation supplied in territory served 50. 000							
in uner population (if different than above)							
Number of service connections in territory served  14575  1488							
Number of service meters in territory served							
309		m	:				

VATER LI	EVEL DATA	Method Used — M Scope	Air Line	☐ Tape (Check an	opropriate box)		
	Well Permit No.	Date Taken	Site Ele	vation	Level*	Total <u>Head**</u>	
1-2	3101417	†	67		65	- 3	
*1	3105110		69	•	41	-22	
, 1	3100010	• /	25	<b>-</b> ,	53	- 28	
*2	5100064	Λ.Λ <sup>'</sup>	28	,	55	- 27	
3	3103534	1 y . 40	32		67	- 35	
4A	3114564	1.1'	45		83	-38	
#5	3100011	1	35	٠	54	-19	
2	3119207		42	ડ	8	-16	
~ +1	3102915		62	16	5	-53	
المعادية	3104641	1	64	10	_	_43	
. 24	310+876	L	LZ	7	В	-56	
H. A	3104636	₩	zz	5	6	-34	
o Water in Feet							
us in Feet From Sea Level (Total Head = Site Elevation - Static Level)							

### E ANALYSIS

<u> No.</u>

Date Taken

Analysis Results

· ·			part y = - 4.				
UWELLUSAGE***							
No.	Well Permit No.	Month 1	Month 2	Month 3			
. 2	3101417	-	-	-			
1.41	3105110	25,788	Z6483	24,931			
	31000107	(27.526	29.644	38,109			
.12	5190064	24,882	26.471	33,474	•		
13	3103534			•	•		
. 44	5114564		• • • •				
5	31000 (1)						
1:42	3119207	4,758	8369	6,784			
,41	3102915	15,749	11,666	28031			
	3104641	25.089	25,870	= 2,555	• • •		
2 4 7	7104836	5040	25,369	27,157	# 11 to		
of 1,000	210 3624	23,905	23.486	6,100	DWR-017 B		

KYEVAS

## NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION CN 029, Trenton, NJ. 08625-0029

#### PUBLIC WATER SUPPLY DIVERSION REPORT

ıst	be	filed	within	30	days	following	the	close	oſ	each o	uarter.
-----	----	-------	--------	----	------	-----------	-----	-------	----	--------	---------

Pantities in units of 1,000 gallons.

side of this form to report diversion from individual wells, when required, and to report water from and/or to ems.

orrect name, address and permit number of the permittee from the mailing label of the envelope sent to you.
or Items 1 and 2 should equal the sums of Items 3 and 4.

required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

			Pennsa	New	
Trill Pennsyuleu	Water Com	1.	WATER ALLO	P3	
Maple Are 1	lerchantule CIT	ry	STATE . J	ZIP Odlo9	
ARTER ÉNDING:  Sept. 30	FOR THE YEAR:	SUMMARY (	OF DIVERSION IN UNI	TS OF 1,000	
Dec. 31	1990	1st Month	2nd Month	3rd Month	
from own sources	Surface	Ø	Ø	Ø	
-	Wells*	237/61	198.825	197.746	
	Total	237.161	198.525	187 746	
from other systems (see 6)		Ø	Ø	Ø	
i other systems (see 7)		Ø	Ø	Ø	
rsion for territory served (see 8)	·	232,161	198,525	197,746	
		* List individual well Meteral	l usage on reverse side	of form	
iversion determined? If estimate	ted, give basis of estimate	Melen			
_					
from which water is received	NOR.e	•	e e e e e e e e e e e e e e e e e e e		
which water is delivered	NONE				
alities supplied in territory serve	d Merchantul	4- PENRSAL	yen & Cheny	Hill+ Camden	
ion supplied in territory served					
: pulation (if different than above)					
of service connections in territory served 14.578					
service meters in territory served 14.488					
311					
YOUN SUST. Sween 10-5-90					

Signature

Date

Title

TER LEVEL DATA Method Used — M Scope Air Line Tape (Check appropriate isox)

Well Permit No.	Date Taken	Site Elevation	<u> 1200 t.                                   </u>	Total Head**
3101417	10 15 12 -	<b>62</b> :	64-	-2
105110	10-5-90	69/	89-	-20
•	• 1	25/	531	-18
3100010		28-	53/	-25
5100064	1	20	67	1
. 3103534	*	3 2	• • •	- 35
3114564		45-	94.	-49
3100011	1	<i>U</i> 3	54	-19
3119207		62	50	- (4
3102915		64	115	-53
3104641	•		109	-45
3104836		2 6	78	-56
	1	. 2 <b>E</b>	56	- 34
3104836	وم لي ي	•		
	10-5-90	•	•	•

Vater in Feet

s in Feet From Sea Level (Total Head = Site Elevation - Static Level)

#### ANALYSIS

<u>: 4o.</u>	Date Taken
way#2 3/19207	9-28-90
3102915 3105110	9-28-90
-4791 3114642	9-28-90
2 3114563	9-28-90
104836	9- <del>28</del> -90 9- 28-90
E 90010	11 11

Analysis Results

31.1 Mg/1

15.8 "

60.2 "

18.5 "

27.3 "

18.5 "

-				
/ WELL U	SAGE***			
ia.	Weil Permit No	Month 1	Month 2	Month 3
•	3101417 31015110 —	25741	23619	19-034
7	3/000/0	(45928	40.126	37.515
$i^{-1}$	31000641	~ 44.596	39.672	37.113
1	3103534			•
7 <i>4</i>	31(4564)		•••	
デーノ.	3119207	7. 33Pst 11	°90 480 C	6,786
¥	3117207	33,624	28.048	26.804
11	3102918	21:148	2014/2	17.485
•	3104641	31.573	32.442	31. (17
4 .A	3104836	<del>-</del> -		55.363
±18	405641	25.939 8.424	21,000	. 33.000
		0.1-1	•	

Stoll

## NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION **DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION**

CN 029, Trenton, N.J. 08625-0029

#### PUBLIC WATER SUPPLY DIVERSION REPORT

#### CTIONS:

sports must be filed within 30 days following the close of each quarter.

ort all quantities in units of 1,000 gallons.

reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to her systems.

ain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you. he sums of Items 1 and 2 should equal the sums of Items 3 and 4.

ther data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

2 '.PIJ (/E/1114-N/11/E/) 10) N.Y.E./	PAUNICLIONS		5173 FENUS.		
FADDRESS W. HERCH		N-J.	STATE OBIOG	ZIP	
THE QUARTER ENDING:	FOR THE YEAR:	<del></del>	OF DIVERSION IN UN	ITS OF 1,000	
N rch 31 ☐ Sept. 30  June 30 ☑ Dec. 31	1990	1st Month	2nd Month	3rd Month	
Diversion from own sources	Surface		Ø	\$	
•	Wells*	188,547	165, 755	169.955	
	Total	188.547	165, 755	169.955	
Received from other systems (see 6)		Ø	φ	<i>E</i> .	
ivered to other systems (see 7)		Ø	Ø	Ø	
Net diversion for territory served (see 8)		188,547	165,755	169,955	
How is diversion determined? If estimated			ll usage on reverse side	e of form	
ion is discision determined: It estimated	i, give basis of estimat	e Fletenz	<u> </u>		
		e FIETERA			
Systems from which water is received		e FIETERAZ			
Systems from which water is received	NONE NONE			L/COUNTEN	
Systems from which water is received  tems to which water is delivered  nicipalities supplied in territory served	NONE NONE	ENN SOURRA / F		L/COUNTEN	
Systems from which water is received  Systems to which water is delivered  nicipalities supplied in territory served  Population supplied in territory served	NONE HERCH /FA 50,000	ENN SOURRA / F		L/COUNTEN	
Systems from which water is received	NONE NONE HERCH / M 50,000	ENNSWERRY/F		L/COUNEW	

<u>C WATER</u>	LEVEL DATA	. Method Used — M Scope	☐ Air Line ☐ Tape	(Check appropriate box)	
Ñ <u>о.</u>	Well Permit No.	Date Taken	Site Elevation	Level*	Total Head**
#2	3101417-	10-17-90	62	64	-2
#.#	3105110-	, D=1,1=1,0	69	89	-20
#	3100010-	•	25	53	-28
1. +2	5100064-		28	53	- 25
	3103534-		3.2	67	-35
#4A	31145647		45	94	-49
1. #5	3100011	`\	<b>3</b> 5	54	-19
#2	3119207		<b>42</b>	56	- 14
1 to 1	3102915		62	115	-53
DR42	3104641		64	109	- 45
2. #-ZA 2. # I A	3104836	<b>√</b>	22	78	-56
Tepth to Water in	n Feel	19-17-90	22	56	= 4
surements in Feet From Sea Level (Total Head = Site Elevation - Static Level)					

### ORIDE ANALYSIS

e Permit No.

Date Taken

Analysis Results

[ /IDUAL WELL US	AGE***			والمعروض والمعارض
Well No.	Well Permit No.	Month 1	Month 2	Month 3
0.6.42	3101417	Ø	Ø	$\mathcal{A}$
N:H.#1	3105110	16,154	18,439	22,449
D.A. #1	3100010		· · · · · · · · · · · · · · · · · · ·	
= PH. HZ	5100064		· ·	
V.A. +3	3107534	73,931	46.139	44,003
6A +4	3114564	· ·		· -{}
7.A.45	3100011			
*# # Z	3119207	6,503	106	<b>ø</b> '
ibac 41	310 2915	26,712	13,938	22,260
Milby H Z	3104641	17, 986	15,763	16.430
A	3104836	21, 700	T1, 314	24,228
Units of 1,000	3165-641	25, 561	10,056	20.385
	,	188,547	165,755	169,925

OF THE

DWR-017 B

314

## NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION **DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION**

CN 029, Trenton, NJ, 08625-0029

#### PUBLIC WATER SUPPLY DIVERSION REPORT

#### TIONS:

orts must be filed within 30 days following the close of each quarter.

"t all quantities in units of 1,000 gallons.

verse side of this form to report diversion from individual wells, when required, and to report water from and/or to er systems.

1 the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you. sams of Items 1 and 2 should equal the sums of Items 3 and 4.

er data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

OF PERMITTEE	METCHANTVILLE FEMNSALI 20 WEST MAPLE AVENUE	TETTAN VED		OCATION PERMIT #	
ADDRESS	MERCHANIVILLE, NJ 08: ATTN: MER MAG H: 1975	10 <del>7</del> -	STATE	ZIP	
HE QUARTER ENDING: 1 1 31  Sept. 30	FOR THE YEAR:	SUMMARY (	OF DIVERSION IN UN	IITS OF 1,000	
t30 □ Dec. 31		1st Month	2nd Month	3rd Month	
version from own sources	Surface	d.	¢	<i>\$</i>	
•	Wells*	162,592	142,115	152,709	
	Total	162, 592	142,115	152,709	
ceived from other systems (se	e 6)	Ø	Ø	đ	
ered to other systems (see	7)	Ø	Ø	Ø	
t diversion for territory served	162,592	142,115	157,709		
ow is diversion determined? I	f estimated, give basis of estimate		ll usage on reverse sid D	e of form	
stems from which water is rec	eived <u>N. r.</u> .k	<u> </u>			
ms to which water is delive	red his	- 吃.		· · · · · · · · · · · · · · · · · · ·	
unicipalities supplied in territory served MERCH/PELLE PLOCHERRY HILL & CAHDEL					
opulation supplied in territory served 50,000					
mer population (if different than above)					
umber of service connections in territory served 14,575					
t ber of service meters in terr	ritory served	8			

WATER LEVEL DATA Method Used — M Scope Air Line ☐ Tape (Check appropriate box) Total Head\*\* Well Permit No. Date Taken Site Elevation - 31.01417 .... -3-91 ------. 62 +4 3105 110 -- 41.1 3100010-- 25 16 --- 50 - 51cco64 - 22-- 20 -3103534 144-3114564--33 -31 00011-- 21 -3119207-- 16 -4 E #2-31c 4c41 - 34 2A-31E4856 --33 1A -3105641--5%

th to Water in Feet

ements in Feet From Sea Level (Total Head = Site Elevation - Static Level)

#### RIDE ANALYSIS

mit No.

Date Taken

Analysis Results

74

UAL WELL U	SAGE***	A Sec. And Golden 1990 - 12 - 12 - 12 - 12 - 12 - 12 - 12 - 1	Annual Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the	
Vell No.	Well Permit No.	Month 1	Month 2	Month 3
2	216 400	E	<i>C</i>	; <b>~</b>
1.54.41	3105 11C	エグ ラエン	19,781	20,403
ц.#1	3100010)			·
1 1.42	51000 64			63.364
1.A. +3	3103534	56,720	40,125	<i>U 9, 7</i> 4
4 44	3114564	for 11 *9!	,	
A. 45	3100011	,,,, ii		
14,42	3119267	<b>,</b> O	9857	12 366
1 HI.	3102915	-21,654	6223	0
In was	3104641	16,430	5830	0 -
	3104836	19849	16310	30,400
nus of 1,000	3105641	2.4614	22489	25,676

DWR-017 B

## WATERA DATABASE

25K: 22E2_
Merchanteille-Pennseeken Water
ret: 20_1051_Maple_Avenue
Y: Merchantville STATE: NJ ZIP: COICY -
<u></u>
NE: ( )
TACT: CTITLE:
E: ( )
JI Y1: └ ☐ COUNTY2: BASIN: Ď CRITAREA: L CRITNAME: ☑ PINELAND: ✓
TOUSE: P MGY: MGM:12834 GPM: 2875_
.0W:
DATE: mm dd /yyyy W EXDATE: mm dd /yyyyy
ili:
RESTYPE: $\subseteq$ MGD: $\underline{4} \cdot \underline{4}$ HEARING: $\underline{N}$
FLAG: UPDATE: mm dd d / y y y y y FLAG:

## WATER SOURCE

<u>5300</u>	· •
-merchantulle-	Pennerauxed)

EID: 3105641 LOCID: BROWN 1 NO	S 1 A USGSUID: 010314
<u> 95627 LON: 150404 LLACC: NJC: 3168</u>	426 COUNTY: $47$ MUN: $44$
: D CRITAREA: ✓ CRITNAME: ✓ PINELAND: № GEO	1: <u>6 Y M / 2</u> GE02:
<u> </u>	815_ MGM:
EID: 31 64642 LOCID: WOEDBINE	
95652 LON: 750307 LLACC: _ NJC: 3102	554 COUNTY: $47$ MUN: $44$
1: □ CRITAREA: L CRITNAME: 2 PINELAND: N GEO	1: <u>E K.M.R.</u> GE02:
1 288 DOPEN: 245 BOPEN: 285 CAPACITY:	1000 MGM:
CEID RI14563 LOCID: WOODBING	<u> 3</u> USGSUID: <u>070560</u>
' <u>9565</u> 교 LON: <u>75030</u> 의 LLACC: _ NJC: <u>310</u> 교	
1: D CRITAREA: 1 CRITNAME: ≥ PINELAND: 1 GEO	
+ 221 DOPEN: $197$ BOPEN: $227$ CAPACITY:	
V325	Gásis t
CalD: LOCID:	
LON: LLACC NÚC:	
N: CRITAREA: _ CRITNAME: _ PINELAND: _ GEO	O1: GEO2:
DOPEN: BOPEN: CAPACITY:	MGM: •
Caid: Locid:	USGSUID:
LON: LLACC: NJC:	COUNTY: MUN:
N: CRITAREA: _ CRITNAME: _ PINELAND: _ GE	01: GE02:
DOPEN: BOPEN: CAPACITY:	MGM: •

## NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION CN 029, TRENTON, N.J. 08625

#### PUBLIC WATER SUPPLY DIVERSION REPORT

#### TIONS:

ports must be filed within 30 days following the close of each quarter.

- rt all quantities in units of 1,000 gallons.
- e reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to per systems.
- in the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you.
- e sums of Items 1 and 2 should equal the sums of Items 3 and 4.
- t data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

OF PERMITTEE	CAMMILLIAN			CATION PERMIT #
2"ADDRESS	C	CITY	STATE	ZIP
E QUARTER ENDING: F	CHANYULLY	5. N.J. 08100		<del>-</del>
h 31 Sept. 30	AAA	SUMMARY	OF DIVERSION IN UN	<del></del>
ne 30	1990	1st Month	2nd Month	3rd Month
sion from own sources	Surface	ø	Ø	6
· ·	Wells	31,142	19.226	36,488
	Total	31,142	29226	36,488
ceived from other systems (see 6)		d	0	9
ered to other systems (see 7)		d	0	Ø
liversion for territory served (see 8)		31.142	29,226	36.488
stems from which water is received	Neue			
stems to which water is delivered	NOUE			
cipalities supplied in territory served	MERCURNY	UILLR PENDSON	KES POEHRAN	1 Hec, Conda
pulation supplied in territory served	50,000			
ner population (if different than above	)			
umber of service connections in territory	served 14 5	75		
umber of service meters in territory served	144	86		
319				

WATER LEVEL DATA

Method Used — M Scope Air Line Tape (Check appropriate box)

Well Permit No.

Date Taken

Site Elevation

Level\*

112 -52

51.072 A1242 3114563 2-11.90 +60 97 -37

to Water in Feet

surements in Feet From Sea Level (Total Head = Site Elevation - Static Level)

RIDE ANALYSIS

<u>Date Taken</u> <u>Analysis Results</u>

# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION CN 029, Trenton, NJ. 08625-0029

## PUBLIC WATER SUPPLY DIVERSION REPORT

#### ĬĆTIÖNS:

leports must be filed within 30 days following the close of each quarter.

port all quantities in units of 1,000 gallons.

reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to ther systems.

ain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you.

The sums of Items 1 and 2 should equal the sums of Items 3 and 4.

"her data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

			Werk	activity.		
chantelle Pennsacker Water Comm. WATER ALLOCATION PERMIT # 5305						
T ADDRESS	104 ev. Co.	m m,	STATE	ZIP		
OW Maple Am	Merc	huntulle	N- V -	-08/09		
R THE QUARTER ENDING: FO	OR THE YEAR:	1	OF DIVERSION IN UNI			
June 30	1990	1st Month	2nd Month	3rd Month		
Diversion from own sources	Surface	Ø	Ø	$\emptyset$		
•	Wells*	35.849	36.687	31,250		
	Total	35849	36.687	31.250		
Received from other systems (see 6)	·	Ø	Ø	Ø .		
I ivered to other systems (see 7)		Ø	Ø	Ø		
Net diversion for territory served (see 8)		35.849	36.687	31-250		
How is diversion determined? If estimated, g	rive basis of estimate	* List individual well McTere	l usage on reverse side	of form		
Systems from which water is received	o N-e			•		
Sustems to which water is delivered	YONE					
1 tnicipalities supplied in territory served	Merchantul	L PENNSALL	en PoChern	Hill & Camela		
Population supplied in territory served	50.000					
: mmer population (if different than above)						
Number of service connections in territory served 14575						
mber of service meters in territory served 14487						
321		<del></del>	<del></del>			

ATER LEVEL DATA	Method Used — M Scope	☐ Air Line ☐ Tape	(Check appropriate box)	•
Well Permit No.	Date Taken	Site Elevation	Level*	Total Head**
3104642	7.13.90	+60	119	-56
2 3114563	7.13.90	+ 60	910	-36

> Water in Feet

r sts in Feet From Sea Level (Total Head = Site Elevation - Static Level)

E ANALYSIS

n No.

Date Taken

Analysis Results

\_WELL USAGE\*\*\*

No.

Well Permit No. 210 4644

35,544

Month 2

Month 3

36,68

31,250

322

of 1,000

DWR-017 B

Name (Ficase Print)

# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION CN 029, Trenton, N.J. 08625-0029

#### PUBLIC WATER SUPPLY DIVERSION REPORT

NS:

must be filed within 30 days following the close of each quarter.

quantities in units of 1,000 gallons.

erse side of this form to report diversion from individual wells, when required, and to report water from and/or to estems.

e correct name, address and permit number of the permittee from the mailing label of the envelope sent to you.

ns of Items 1 and 2 should equal the sums of Items 3 and 4.

a required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

nge.			Mucha	ATARIA
PERMITTEE PERMIS	allen Water	Cours.	WATER ALLO	CATION PERMIT #
ENRESS !! Missola Aru	Merchantu	ITY .[[ /	STATE	08[09
ARTER ENDRYG:	FOR THE YEAR:		F DIVERSION IN UNI	TS OF 1,000
30 Dec. 31	1990	1st Month	2nd Month	3rd Month
from own sources	Surface	6	P	0
-	Wells*	32.679	3/6/2	35.123
	Total	32.679	81.612	35./23
ved from other systems (see 6)		Ó	Ø	B
i i to other systems (see 7)		Ø	Ø	P
rsion for territory served (see 8	)	32-679	3/6/2	35./23
is diversion determined? If estima	ted, give basis of estimate		l usage on reverse side	of form
res from which water is received	Noxe			
nis to which water is delivered	HOHL		P/ , , ,	
alities supplied in territory serv	ed Merchantille	+ PLANSAULEN	10 Cherry Hill	+ CAMOUN
lation supplied in territory served	سيسب مسلم			
n r population (if different than a	bove)			
ther of service connections in territ		575		
ther of service meters in territory s	erved	:488		
323				

ER LEVEL DATA

Method Used — M Scope Air Line Tape (Check appropriate box.)

Well Permit No. 3104642 114563

Date Taken 10-5-90 10-5-90

Site Elevation 460 +60

Leve! 98

Total Head\*\* -62 -38

e ... in Feet From Sea Level (Total Head = Site Elevation - Static Level)

ANALYSIS

1 3/04642 Plate Taken 9/28/90 #2 3114563 9/22/90

Analysis Results

18.5 mg/1

WELL USAGE\*\*\*

: 563

f 1,000

Well Permit No.

Month 1

37629

Menth 2

31.612

Month 3

21.096

35.123

DWR-017 B

324

WR-017 B .../90

## NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION **DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION**

CN 029, Trenton, N.J. 08625-0029

#### PUBLIC WATER SUPPLY DIVERSION REPORT

#### **NSTRUCTIONS:**

- Reports must be filed within 30 days following the close of each quarter.
- Report all quantities in units of 1,000 gallons.
- 3. Use reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to other systems.
  - Obtain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you.
- 5. The sums of Items 1 and 2 should equal the sums of Items 3 and 4.
- Other data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

NAME OF PERMITTEE			WATER ALLO	OCATION PERMIT #
MET CHAOTVILLE - PENN SOIKE	IN WATER COL	4414510N	5	305 - MEIZCH
			STATE	ZIP
LO W. MARE AVE. MERCA	HOUTVILLE	<u>, い. J.</u>	<u> </u>	<i>I-</i>
FOR THE QUARTER ENDING: FO	OR THE YEAR:	SUMMARY (	OF DIVERSION IN UN	ITS OF 1,000
☐ June 30 ☑ Dec. 31	1990	lst Month	2nd Month	3rd Month
1. Diversion from own sources	Surface	<b></b>	ø	ø
	Wells*	33,046	31,747	32,314
	Total	37 046	31,747	32,314
2. Received from other systems (see 6)		Ø	Ø	ø
3. Delivered to other systems (see 7)		ф	Ø	d
4. Net diversion for territory served (see 8)		33.046	31,747	32314
5. How is diversion determined? If estimated,	, give basis of estimate		ll usage on reverse side	of form
•	<del></del>			
6 Systems from which water is received	Here			
7. Systems to which water is delivered	NENE			
8. Municipalities supplied in territory served _	MERCH/RE	ENNS AUKEN / PA	6 CHERRY HI	LLE CAHOEN
9. Population supplied in territory served	50.000	-		
Summer population (if different than above)	)			
10. Number of service connections in territory s	served14, 5	75	<del></del>	
11. Number of service meters in territory served	14 4	+88		
			<del></del>	

TATIC WATER	LEVEL DATA	Method Used — M Scope	☐ Air Line ☐ Tape	(Check appropriate box)	
ell No.	Well Permit No.	Date Taken	Site Elevation	Level*	Total Head**
odbiae #1	3104642	10-17-90	+60	122	-62
10. ±2	3114563	10-17.90	+ 60	98	-38

\* Depth to Water in Feet

Aeasurements in Feet From Sea Level (Total Head = Site Elevation - Static Level)

#### CHLORIDE ANALYSIS

'ell Permit No.

Date Taken

Analysis Results

[ )IVIDUAL WELL USAGE\*\*\*

Well No. Well Permit No. Month 1 Month 2 Month 3

V. 30 Bing #1 3104642 19,476 18,081 64,366

TO Bing #1 3114563 19,570 13,666 15,954



WAL.

DWR-017 B

WR-017 B 1

## NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION

CN 029, Trenton, N.J. 08625-0029

#### PUBLIC WATER SUPPLY DIVERSION REPORT

#### **NSTRUCTIONS:**

- 1. Reports must be filed within 30 days following the close of each quarter.
  - Report all quantities in units of 1,000 gallons.
- J. Use reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to other systems.
- . Obtain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you.
- 5. The sums of Items 1 and 2 should equal the sums of Items 3 and 4.
- . Other data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached

	5305	to won topolis should	a co piacoa on baon o	· ·
NAME OF PERMITTEE	MERCHANTVILLE-FEINSA 20 WEST MAFLE AVENUE MERCHANTI			CATION PERMIT #
STREET ADDRESS	MERCHANTVILLE, NJ G	- 5109-	STATE	ZIP
FOR THE QUARTER ENDING:  March 31	FUR IIIL	. Ү	OF DIVERSION IN UN	ITS OF 1,000
☐ June 30 ☐ Dec. 31		1st Month	2nd Month	3rd Month
1. Diversion from own sources	Surface	d	d	1
-	Wells*	33,209	33 405	32,805
;	Total	33, 209	33, 405	32805
2. Received from other systems (sc	<b>e</b> 6)	Ø	Ø	d
3. Delivered to other systems (see	7)	d.	đ	de
4. Net diversion for territory served	(see 8)	317109	33405	32,805
16 11		* List individual we	ll usage on reverse side	of form
5. How is diversion determined? If	estimated, give basis of estimate	METE	V-ED	
6. Systems from which water is reco	eived Lare			
7. Systems to which water is deliver				,
8. Municipalities supplied in territo	ry served HENCH/PE	ENUS /P/CC	HERRY HILL	& CAMPEN
9. Population supplied in territory		•	, 	
Summer population (if different	than above)			
10. Number of service connections in	territory served 14,5	15		
11. Number of service meters in terr	itory served 14,48	8		
327				. \
LEO A. HOLLAND	Active Supt.	Dir All	Hend a	4-10-91
Name (Please Print)	Title	Signatur	e .	Date

ATIC WATER	LEVEL DATA	Method Used — M Scope	☐ Air Line ☐ Tape	(Check appropriate box)	
<u>1 No.</u>	Well Permit No.	Date Taken	Site Elevation	Level*	Total Head**
adbin 41	3104642	3-91	+ 40	119	-59
d # 2	3114563	3.91	+ 165	95	-35

' Depth to Water in Feet

easurements in Feet From Sea Level (Total Head = Site Elevation - Static Level)

HLORIDE ANALYSIS

Il Permit No.

Date Taken

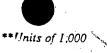
Analysis Results

IVIDUAL WELL USAGE\*\*\*

Well No. Well Permit No. Month 1 Month 2 Month 3

UCUGIVE\* 1 3104642 16017 16567 19821

WEOODIVE\*2 3114523 17.192 17038 12984



REFERENCE NO. 17

#### WATERA FILE - 10/19/90

MBER: 5201

NAME:

NEW JERSEY-AMERICAN WATER CO.

STREET: 515 GROVE STREET

CITY: HADDON HEIGHTS

STATE: ΝJ

ZIP: 08035-

ATTM: CAMDEN SYSTEM

PHONE: (609)547-3211

CCMTACT: JOSEPH DUGANDZIC

.CTITLE: D

CPHONE: (609)547-3211

COUNTY1:

COUNTY2:

NOTES1:

NOTES2:

NOTESS:

BASIN2:

CRITAREA: 2

ZONE: 2

PINELAND: N

WATERUSE: P

MGY:

1533.0.

MGM:

191.750

GPM: 6100

PELOW:

EFDATE: 07/06/1990

EXDATE: 01/31/1994

PERMITYPE: 6

MGD:

6.25

 $\mathbf{HEARING:}_{-} \mathsf{N}$ 

STAFF: LGS

UPDATE:

05/29/1990

FLAG:

#### WSOURCE FILE - 10/19/90

NUMBER: 5201

FINELAND: N

SOURCEID: 3103456

ELEV: 9

LCCID: 50

ELEVACO:

US6SUID: 070111

DEPTH: 170

LAT: 395724

DOPEM: 139

AELLINTE: 05/28/1988

LÓM: 750518

NJGRID: 3102419

្ន

BOPEN: 170

LLACC:

GEO1: GKMR

GEC,I:

ICU::TY: 107

110001 353 12

mUN:

BASIN: DDEL

CAFACITY: 700

CRITAREA: 2

MGM: 0.000

ZONE:

FLAG: X

#### WSOURCE FILE - 10/19/90

NUMBER: 5201

PINELAND: N

SOURCEID: 3104780

ELEV: 20

ELEVACC: 1

LOCID: 51

3**95**720

usesuiD: 070107

DEFTH: 192

LAT:

DOFEN: 141

LON:

750513 BOPEN: 192

LLACC:

GEO1: GKMR

NJGRID: 3102427

GEO2:

COUNTY: 07

DIAMETER: 16

MUN: 08

BASIN:

CAPACITY: 1300

WELLDATE: 01/15/1965

CRITAREA: 2

0.000

#### WSOURCE FILE - 10/19/90

MBER: 520:

PINELAND: N

SGURCEID: 3104847

ELEV: 19

10010: 52

ELEVACO:

USGSUID: 070098

DEPTH: 198

LAT: 395715

LUN4 /50519

DUFET : 1.47

BUPEA: 175

LLACC: F

GEO1: ERMF

MJGRID: 3102451

GEOZ:

13.7

schill status

num: 198

ARLELSHIER SAVIEWIFEE

BASIN: DDEL

CAPACITY: 1050

CRITAREA: 2

MGM: 0.000

ZONE: 2

FLAG: X

#### WSOURCE FILE - 10/19/90

NUMBER: 5201

PINELAND: N

EOURCEID: 3118947

-ELEV: 15

LOCID: 53

ELEVACC:

USGSUID: 🔩

DEPTH: 194

LAT: 395728

DOPEN: 154

LON: 750502

NJGRID: 3102446

BOPÉN: 194

LLACC: F

GÉO1:

GKMR

GEO2:

COUNTY: 07

DIAMETER: 16

MUN: 08

WELLDATE: 05/28/1982

SIN: DDEL

CAPACITY: 1000

 $1.5 \pm 0.5$ 

#### WSOURCE FILE - 10/19/90

MUMBER: 5201

HUURCHID: 3118744

J. 12 L 12 L

Jamae 17 070547

395731

Luk: Vāchas

Andrews :

NUURID: 3102446

08

masim: DDEL

CRITAREA: 2

ZUNE: 2

PINELAND: N

ELEV: 35

ELEVACO:

DEPTH: 195

00PEN: 155

BOPEN: 195

GEO1: GKMR

GEO2:

DIAMETER: 15

WELLIATE: 09/30/1982

CAPACITY: 1000

MGM: 0.000

FLAG: X

## WSOURCE FILE - 10/19/90

NUMBER: 5201

FILEDEID: 3120270

LOCID: 55

USGSUID: 070597

LAT: 395718

LON: 750518

LLACC: F

NJGRID: 3102419

COUNTY: O7

MUN: 08

BASIN: DDEL

CRITAREA: 2

ZONE: 2

PINELAND: N

ELEV: 11

ELEVACC:

DEPTH: 176

DOPEN: 136

BOPEN: 176

GÉO1: GKMR

GE02:

DIAMETER: 16

WELLDATE: 08/12/1983

CAPACITY: 1050

MGM: 0.000

FLAG:

#### NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION CN 029, TRENTON, N.J. 08625

#### PUBLIC WATER SUPPLY DIVERSION REPORT



Reports must be filed within 30 days following the close of each quarter.

port all quantities in units of 1,000 gallons.

Due reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to other systems.

stain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you. The sums of Items 1 and 2 should equal the sums of Items 3 and 4.

"her data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

ME OF PERMITTEE			WATER ALL	OCATION PERMIT #
JERSEY-AMERICAN WATER COMPAI				5201
5 Grove Street, Haddon Height	_	TTY	STATE	*· ZIP
	OR THE YEAR:	SUMMARY	OF DIVERSION IN UN	TTS OF 1,000
June 30 Dec. 31	1990	1st Month	2nd Month	3rd Month
Diversion from own sources	Surface	None	None	None
•	Wells	90,462	51,098	55,971
	Total	90,462	51,098	55,971
Recent from other systems (see 6)		15,335	43,548	49,435
:livered to other systems (see 7)		None	None	None 🕶
Net diversion for territory served (see 8)	÷	105,797	94,646	105,406
How is diversion determined? If estimated,	give basis of estimate		All metered	- 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100
Systems from which water is received	Camden	· · · · · · · · · · · · · · · · · · ·	<del></del>	
stems to which water is delivered	None			
unicipalities supplied in territory served	Portions of	City of Camden	and Pennsauke	n Township
Population supplied in territory served.	37,843	·		
immer population (if different than above	) <u>N/A</u>	··	·	. •
Number of service connections in territory s	served <u>8,375</u>		•	
umber of service meters in territory served	8,375			

E. Shearman, Jr.
ame (Please Print)

Operations Manager
- Production
Title

Milesee Signature

5-11-90

Date

Method Used — M Scope W Air Line Tape (Check appropriate box)

No. Well Permit No. Date Taken Site Elevation

1 31-4780

2/23/90

21

Check appropriate box)

Static Level\*
Head\*\*

th to Water in Feet
easurements in Feet From Sea Level (Total Head = Site Elevation - Static Level)

#### ORIDE ANALYSIS

Cermit No. Date Taken Analysis Results

-478C

nd/or other monitored contaminants

ersions by Formation

mation • Diversion

11 Raritan-Magothy - same as front page.



### PERMIT #5201

<b>.</b>	Well Permit No.	Well Name or Designation	First Month	Diversion in 10 Second Month	00 Gallons Third Month	Total
	31-3456	Camden - Well No. 50	17,010	76		17,086
_	31-4780	Camden - Well No. 51	17,430	2,352	1,260	21,042
_	31 -4847	Camden - Well No. 52	1,134		49	1,183
	31-18947	Camden - Well No. 53	28,844	23,886	28,396	81,126
	31-18944	Camden - Well No. 54	23,440	24,784	26,266	74,490
	31-20270	Camden - Well No. 55	2,604			2,604
			90,462	51,098	55,971	197,531

# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION CN 029, Trenton, NJ. 08625-0029

## PUBLIC WATER SUPPLY DIVERSION REPORT

#### 'CTIONS:

enorts must be filed within 30 days following the close of each quarter.

- ort all quantities in units of 1,000 gallons.
- ise reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to it is systems.
- ain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you. he sums of Items 1 and 2 should equal the sums of Items 3 and 4.
- ) er data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

C OF PERMITTEE	<u>.</u>		WATER ALLO	CATION PERMIT #
ERSEY-AMERICAN WATER COMPANY, VEET ADDRESS				5201
Crove Street, Haddon Heights, N.	• • • •	ITY	STATE	ZIP
HE QUARTER ENDING: FOR T	HE YEAR:	SUMMARY	OF DIVERSION IN UN	ITS OF 1,000
	990	1st Month	2nd Month	3rd Month
rsion from own sources	Surface	None	None	None
•	Wells*	57,224	55,013	64,318
	Total	57,224	55,013	64,318
R eived from other systems (see 6)		45,064	50,555	49,581
Delivered to other systems (see 7)		None	None	None *
diversion for territory served (see 8)		102,288	105,568	113,899
Have is diversion determined? If estimated, give	basis of estimate	* List individual wel	ll usage on reverse side All metered	of form
3 tems from which water is received	Camden			
Systems to which water is delivered	None			<del></del>
W ucipalities supplied in territory served	Portions of	f City of Camde	n and Pennsauk	en Township
?c-ulation supplied in territory served	38,024			<del></del>
Summer population (if different than above)	N/A			
N nber of service connections in territory served	8,375			
Number of service meters in territory served	8,375			

337

Operations Manager
Shearman, Jr. - Production
Name (Please Print) Title

Museum 1

7-30-90

.IIC WATI	ER LEVEL DATA	Method Used — M Scope	☑ Air Line ☐ Tape	(Check appropriate box)	
<u>40.</u>	Well Permit No.	Date Taken	Site Elevation	Level*	Total Head**
1	31-4780	6/22/90	21	67	-46

enth to Water in Feet

revenues in Feet From Sea Level (Total Head = Site Elevation - Static Level)

#### ORIDE ANALYSIS

ermit No. Date Taken Analysis Results

11-4780

VIDUAL WELL	SAGE	•	* •	
W IL No.	Well Permit No.	Month 1	Month 2	Month 3
50 51 2 3 54 -5	31-3456 31-4780 31-4847 31-18947 31-18944 31-20270	96 - 288 26,044 30,796	2,448 480 240 20,090 31,610 145	3,160 4,216 2,248 22,015 32,679
		57,224	55,013	64,318



## NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION **DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION**

CN 029, Trenton, N.J. 08625-0029

## PUBLIC WATER SUPPLY DIVERSION REPORT

#### TRUCTIONS:

Reports must be filed within 30 days following the close of each quarter.

Report all quantities in units of 1,000 gallons.

Use reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to other systems.

Obtain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you.

The sums of Items 1 and 2 should equal the sums of Items 3 and 4.

Other data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

AME OF PERMITTEE	·.a.		WATER ALL	OCATION PERMIT
W JERSEY-AMERICAN WATER COMPANY. REET ADDRESS	WESTERN DIVI	SION		5201
15 Grove Street, Haddon Hoights		TY	STATE	ZIP
R THE QUARTER ENDING: FOR March 31 X Sept. 30	THE YEAR:	SUMMARY	OF DIVERSION IN U	VITS OF 1,000
7 to 20	1990	1st Month	2nd Month	3rd Month
Diversion from own sources	Surface	None	None	None
•	Wells*	68,662	57,136	63,494
	Total	68,662	47,136	63,494
Received from other systems (see 6)		49,467	59,129	38,779
. Delivered to other systems (see 7)		None	None	None*
Net diversion for territory served (see 8)		118,129	116,265	102,273
. How is diversion determined? If estimated, give	e basis of estimate	List individual we	ll usage on reverse side All metered	e of form
Systems from which water is received	Camden			
. Systems to which water is delivered	None			
Municipalities supplied in Annie 1	•	• ••	_	
	Portions of	City of Camde	<u>n and Pennsauk</u>	<u>en Township</u>
Municipalities supplied in territory served  Population supplied in territory served	•	•	n and Pennsauk	en Township
Population supplied in territory served  Summer population (if different than above)	38,024	•	n and Pennsauk	en Township
Population supplied in territory served	38,024 N/A	•	n and Pennsauk	en Township

300

Shearman, Jr

Name (Please Print)

Operations Manager - Production

Title

.TIC WATE	R LEVEL DATA	Method Used — M Scope	X Air Line Tape	(Check appropriate box)	
No.	Well Permit No.	Date Taken	Site Elevation	Level*	Total Head**
51	31-4780	8/15/90	21	63	-42

Depth to Water in Feet

rasurements in Feet From Sea Level (Total Head = Site Elevation - Static Level)

#### ILORIDE ANALYSIS

 Il Permit No.
 Date Taken
 Analysis Results

 31-4780
 8/30/90
 34

VIDUAL WELL	USAGE***			and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s
Well No.	Well Permit No.	Month 1	Month 2	Month 3
50	31-3456	550	_	162
. 51	31-4780	2,640	3,180	4,590
52	31-4847	1,430	1,484	2,430
53	31-18947	35,607	29,417	37,304
54		=	23,055	19,008
55	31-20270 KUV	13 '96 <sup>8,435</sup>		-
-	DEPT ##			
	W. O.	68 <u>66</u> 2	57,136	63,494





#### NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION **DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION** CN 029, Trenton, NJ, 08625-0029

## PUBLIC WATER SUPPLY DIVERSION REPORT

#### TRUCTIONS:

sports must be filed within 30 days following the close of each quarter.

Report all quantities in units of 1,000 gallons.

- se reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to other systems.
- Obtain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you. ne sums of Items 1 and 2 should equal the sums of Items 3 and 4.
- Other data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

W JERSEY-AMERICAN WATER COMPANY.	1	WATER ALLOCATION PERMIT #		
LET ADDRESS	C	ITY	STATE	ZIP
Grove Street, Haddon Heights, NOR THE QUARTER ENDING: FOR 11 12 Sept. 30	THE YEAR	SUMMARY	OF DIVERSION IN UN	ITS OF 1,000
une 30 🔼 Dec. 31	990	1st Month	2nd Month	3rd Month
Diversion from own sources	Surface	None	None	None
-	Wells*	58,861	63,434	64,216
	Total	58,861	63,434	64,216
seceived from other systems (see 6)		41,147	40,363	45,901
elivered to other systems (see 7)		None	None	None
Net diversion for territory served (see 8)		100,008	103,797	110,117
ow is diversion determined? If estimated, give	basis of estimate	* List individual wel	lusage on reverse side All metered	of form
Systems from which water is received	Camden			
ystems to which water is delivered	None			
Municipalities supplied in territory served	Portions of	f City of Camde	n and Pennsauk	en Township
. opulation supplied in territory served	38,024			· .
ammer population (if different than above)	N/A		<del></del>	· · · · · · · · · · · · · · · · · · ·
Number of service connections in territory serve	d <u>8,375</u>			
umber of service meters in territory served _	8,375			

341

me (Please Print)

Operations Manager Production Shearman, Jr.

Title

Date

TATIC WATE	R LEVEL DATA	Method Used — M Scope	☐ Air Line ☐ Tape	(Check appropriate box)	
<u>l No.</u>	Well Permit No.	Date Taken	Site Elevation	Level*	Total Head**
51	31-4780	10/22/90	21	65	-44

' to the to Water in Feet rom Sea Level (Total Head = Sue Elevation - Static Level)

## PI ORIDE ANALYSIS

1 Permit No. Date Taken Analysis Results
31-4780

DIV	<u>IDU</u>	T ME	LLU	<u>JSAG</u>	E***

Vell No.	•	Well Permit No.	Month 1	Month 2	Month 3
50		31-3456	=	· <b>-</b> .	_
51		31-4780	2,205	490	1,470
52		31-4847	252	315	126
53		31-18947	37,170	. 37,737	
54		31-18944	19,234	24,640	37,855
55		31-20270	-	24,040	24,765
•			58,861	63,434	64.216

342



## NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION **DIVISION OF WATER RESOURCES BUREAU OF WATER ALLOCATION**

CN 029, Trenton, NJ, 08625-0029

#### PUBLIC WATER SUPPLY DIVERSION REPORT

#### *?UCTIONS:*

Reports must be filed within 30 days following the close of each quarter.

eport all quantities in units of 1,000 gailons.

Use reverse side of this form to report diversion from individual wells, when required, and to report water from and/or to ther systems.

btain the correct name, address and permit number of the permittee from the mailing label of the envelope sent to you.

The sums of Items 1 and 2 should equal the sums of Items 3 and 4.

ther data required such as static water levels, chlorides and separate well reports should be placed on back of sheet or attached.

"E OF PERMITTEE	<u>ئە.</u>	ISION		CATION PERMIT #
<u>JERSEY-AMERICAN WATER COMPANY</u> REET ADDRESS	STATE	ZIP		
	N.J. 08035 OR THE YEAR:	CURALARY	OF DUEDCION IN UN	PTS OF 1 000
Aarch 31 ☐ Sept. 30	1991	1st Month	OF DIVERSION IN UN  2nd Month	3rd Month
June 30 Dec. 31 iversion from own sources	Surface	None None	None	None None
<del>-</del>	Wells*	64,186	55,331	56,901
	Total	64,186	55,331	56,901
neceived from other systems (see 6)		39,393	36,883	43,732
Delivered to other systems (see 7)		None	None	None !
let diversion for territory served (see 8)	103,579	92,214	100,633	
How is diversion determined? If estimated,	give basis of estimate		ll usage on reverse side All metered	of form
Systems from which water is received	Camden			
Systems to which water is delivered	None	· · · · · · · · · · · · · · · · · · ·		
funicipalities supplied in territory served _	Portions o	f City of Camde	en and Pennsauk	en Township
Population supplied in territory served	28,897			
Summer population (if different than above)	N/A			
Number of service connections in territory se	erved 8,352			
. Number of service meters in territory served	8,352			

Shearman, Name (Please Print) Operations Manager - Production Title

TATIC WATE	R LEVEL DATA	Method Used — M Scope		(Check appropriate box)	
il No.	Well Permit No.	Date Taken	Site Elevation	Level*	Total Head**
51	31-4780	2/14/91	21	58	-37

Depth to Water in Feet
 1easurements in Feet From Sea Level (Total Head = Site Elevation - Static Level)

HLORIDE ANALYSIS		t'A.	•
ell Permit No.	Date Taken		Analysis Results
31-4780			

.JIVIDUAL WELL USAGE***				
Well No.	Well Permit No.	Month 1	Month 2	Month 3
50	31-3456	<b>-</b> ·	···. <b>_</b>	_
51	31-4780	1,890	3,360	_
52	31-4847	71	1,278	142
53	31-18947	36,600	30,309	34,705
54	31-18944	25,625	20,384	22,054
55	31-20270	_	-	22,034
		64,186	55,331	56,901

REFERENCE NO. 18





## Flowen Oil Delaware Valley Inc

1800 Carman Street, Camden, N.J. 08105 • Telephone (609) 365-5544

February 20, 1986

NJ Dept. of Environmental Protection Division of Waste Management Southern Field Office RD #1 Route #70 Vincentown, NJ 08088

Attention: Mr. Frank Hartman

Re: Notice of Violation

Issued 2/6/86

Dear Mr. Hartman:

The circumstances surrounding this above notice N.O.V. concern two inspections made by City of Camden, Camden County Municipal Utility Authority personnel, and DEP Division of Water Resources personnel.

The first visit was made on 1/23/86 by Mr. B. Conrad of CCMUA and Mr. Forte from the City of Camden at which time a discussion took place on the requirement to complete a discharge permit application to CCMUA, under a new set of DEP regulations enacted in 1985. Concern was expressed at that meeting that Flowen may have discharged effluent outwith the required limits in the past. The meeting was held in a spirit of cooperation, and no conclusive claims were made that Flowen had discharged oil to the city sewer system.

The second visit was made 1/27/86 by Mr. R. Riccardi of Division of Water Resources and Mr. Forte of the City of Camden at which time Mr. Riccardi made various suggestions as to how to eliminate the possibility of oil discharges to the City sewer system. He also indicated at that time that our discharge appeared to contain oil. At the time of his visit, we were in process of pumping out the storage tank retention area after considerable rainfall the previous night. It appeared to Mr. Riccardi that the pumping rate was too great and that this may have been causing a discharge. Upon his advice, we ceased this operation, and removed the contained oil from the interceptors receiving the water from the tank area. Later, we then resumed the removal of water from the tank area at a lower rate.

Subsequently a request was made by CCMUA to clean out "oil substances" from the Federal Street pumping station. On January 31st, a crew from Flowen Oil arrived to carry out this job. In fact, the only substance found was black material sticking to the walls of the wet well. This was cleaned down by our personnel, but no removable oil was found, and no oil was removed from the station by our vehicles.



On February 5, 1986 a letter was received from CCMUA's Dennis W. Palmer, Director of Operations and Maintenance with various requests and a requirement that application to CCMUA be made within 60 days for a discharge permit. A further requirement is that we submit to CCMUA a spill prevention plan, which is presently in course of preparation. The one problem is that the manufacturer of the oil water interceptors no longer exists and information on the maximum flow rates is not available. We shall, therefore, have to calculate these from first principles. The plan, however, will be available within 2 weeks of this date, and a copy will be sent to you upon its completion.

We did, however, violate our approved Registration and Engineering Design Plan specifically para 12.g in not notifying you of discharge. This was an oversight which we do not intend should re-occur. The prevention plan which is in course of preparation will include notification procedures which, of course, will include your office, City of Camden and CCMUA. By this means, we intend that any future discharges will be notified to the correct authorities.

We would suggest that our record indicates that we do not as a rule attempt to conceal any matters of concern from you, and ask that you view this matter in that light.

Respectfully submitted

Archie Bilsland Vice President

AB/ssw

RECEIVED

FEB 25 1986

Division of Waste Mgt



REFERENCE NO. 19



## State of New Aersen

#### DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

ENFORCEMENT ELEMENT

CHN'W. GASTON JR., P.E. DIRECTOR

TWIN RIVERS OFFICE PLAZA State Highway 33 Hightstown, New Jersey

DIRK C. HOFMAN, P.E. DEPUTY DIRECTOR

### MEMORANDUM

FEB. 2 1 1986

TO:

DIVISION FILES

FROM:

Rudy Ricciardi, Compliance Investigator I,

Southern Bureau of Regional Enforcement

THROUGH:

James K. Hamilton, Chief, Pete Paterson, Assistant

Chief & John M. Tomasiello, Superviser, Compliance

Monitoring Unit, Southern Bureau of Regional

Enforcement

SUBJECT:

Excessive Oil in Federal Street Pump Station

Camden City Collection System

In response to a complaint of excessive oil in the discharge from Camden City to the CCMUA Main STP, an inspection of the collection system into the Federal Street Pump Station was tade with J. Forte, Foreman for the Camden City Utilities Department.

The pump station wet well had a chemical/hydrocarbon/solvent ofor and only soum layer on the walls and on the surface of the water. The manholes upstream in the direction of the Conrail Yard, Trailways Garage and Engine Repair Facility were inspected, and it was revealed that the flow through the manholes contained a slight sheen. The manhole outside of the Flowen Oil Facility had a significant amount of flow which was oily and white in color.

Contact was made with the Manager of Flowen Oil, Mr. Archie Bilsland, in order to conduct an inspection to locate the source of the discharge. During this inspection, it was revealed that the facility was pumping the rainwater from the storage tank detention basin through an oil/water separator thereby discharging the contained oil from the separator into the sewer line. Mr. Bilsland was advised to stop pumping and skim the oil from the surface of the detention basin prior to discharging the rainwater. Mr. Bilsland was also advised to remove the contained oil from the separator before pumping the rainwater



through the separator. He was also advised to reduce the rate of flow through the separator.

The make-up water valve for the recirculation tank was opened causing an overflow to the oil/water separator. Mr. Bilsland was advised to shut off the make-up water valve since it resulted in a discharge to the sewer system. Mr. Bilsland was also advised to operate this valve manually in order to avoid further discharges.

In addition, one pump for the process centrifuge system was being repacked which caused a back flow through the oil/water separator. This discharge was observed to be white in color.

Mr. Bilsland was advised to clean the oil/water separators as needed rather than on a fixed schedule since the separators were allowing the oil to be discharged to the sewer system.

Mr. Bilsland will make arrangements with Mr. Forte to clean the wet well at the Federal Street Pump Station and remove the oil on the surface of the water and on the walls of the well. Mr. Forte will increase the monitoring of Flowen Oil's discharge to twice a week.

A22:ral cc: Frank Hartman, DWM

REFERENCE NO. 20

iołm DWM-051 1/86

## NEW ASEY DEPARTMENT OF ENVIRONMENTAL PROTE TION DIVISION OF WASTE MANAGEMENT

#### **INVESTIGATION**

#:	D	WM FILE #:
	. l	TIME ARRIVED: 160
INVESTIGATOR: David Satton	DATE: 9/14/87	TIME DEPARTED: 1730
LOCATION: Flower Oil Del. Valley Corp.	PROPERTY OWNER:	
ADDRESS: 1860 Larman Ave.	MAILING ADDRESS:	
Canden county- Canden		
BLOCK: LOT:	RESPONSIBLE PARTY_	
LOCATION TELEPHONE #:	ADDRESS:	
EPA ID #: NSD 980536577		
LOCAL HEALTH DEPT. REP.	TELEPHONE	#:
ORIGIN OF COMPLAINT: Angalmens	TELEPHONE	#:
NATURE OF COMPLAINT: Illicit activity occu,	ring immediate	response requested
PHOTOGRAPHS TAKEN: Will Activity CCU,	SAMPLE #:	e '
FINDINGS: On 9/14/87 I arrived	at the abou	R location and
ESSERVED a tank truck from LOI	7200 (Lionetti	Oil Relover (v.)
Officating what appeared to b	e wastewater	into the facility
closin system adjacent to the	tank field,	Ken of Flower
Diland The driver were present.	They born 11	Incurred The liquid
		Russ and met
with him in the facility 1956		plained we had
received a complaint and I w	as ther to	investigate the
A /1 1	Elkly insple	
A. ILCSS TO SHOW ME THE MANT	fest (see re	oy) for the
		itste liquid under
1thm (5) at x773 under 1thm 1. Ite	m J indicate	I wask water.
F. (LOSS Explained That Trucks o	f wastewater	with work pil
traces while offligated typically	• ,	noer. Til digin
system he stated feels intera		which removes
The oil phase of the liquid.	The waster	Jake 15 Then
discharged to the spull system	. 1 1 -	A. HOSS to Show
	aled he (eu	ld not in that it
Was under the Centre pad. I	asked him	to lift open the
	wited Ice TO	do and L'esserved
= 0 of line of aftern	177	ssing Thry The
sewer line from the interrep	-,	A
Usserul any steen or wask be		iguid. Nor did I
scrue any scen or waste cil	in Be Sul	rounding walls of
Terry W. Os kander Supervisor Signature	- Davi	Sattor
. Supervisor Signature	In	ivestigator Signature

## NEW RSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WASTE MANAGEMENT

Page Z of \_\_\_\_

#### **INVESTIGATION**

INVESTIGATION	~ ^ ^ -
	CASE # Plowen Oil
	DATE: 9/14/87
FINDINGS AND SUMMARY:	, ,
The sewer line The LDRID tank truck hauler's decal # 24202. A. Tross stated I regalated by 1500ES for their discharge of periodically samples Their effection of the close sample its effluent as per No A. Ross again repeated that This is a procedure. I explained I was not co-	he facility is stringer.
was acceptable and that suit activity violation at their ALD permit. I told would be investigated turner. I comple inspection and secured from site at	LA PLOSS DE MAHER SEL TSE WEEKLY SEPPREK. 1730 hrs.
	gd* ++, ++1
· · · · · · · · · · · · · · · · · · ·	
**************************************	
	<del></del>
	·
Teny. W. Ostranele	Aarl Sutter

Supervisor Signature

Investigator Signature

WM-051 A

IEW JE1 DEPARTMENT OF ENVIRONMENTAL PROTEC N
DIVISION OF WASTE MANAGEMENT

 $P_{age} 3 of$ 

#### INVESTIGATION

	111111111111111111111111111111111111111		FLANGE	EN 1011.	
			CASE # FLEWE DATE: 9/14/2	1, 010	_
			DATE: 9/19/	P7	
lecomm at Concl.					
D D D T	0101-1-	Cchiux	Violate the tanks first. The	Gilit	
Dies This type of	HATTIGACING.	7-10117	1/10/91C 1/1C 1	401119	<del>, -</del>
MCV; Must shipman	CMUA.	dey 17 70	eftinent	· discourse	र्दि
) Notify Dwiz or CI	GLOWINGH.				
3) ISSUE F/000 /F	- 5/1/1/1919 · C.	<u> </u>			
	<u> </u>				
		· · · · · · · · · · · · · · · · · · ·			
		<del></del>			
		<u> </u>			
				· · · · · · · · · · · · · · · · · · ·	
		<del></del>			
				* 1	
				<u> </u>	
and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s		other to sufficient a section			·A.
	· · · · · · · · · · · · · · · · · · ·	·			
					· · · · · · · · · · · · · · · · · · ·
	,				
				<u> </u>	
			•		
				9 *	A
					354
Term W. Ostrander			Harl	Sutton	

COPIES:

White · DWM File

Yellow - Local Health Dept.

Pink - Investigator



REFERENCE NO. 21



April 28, 1989

Mr. Thomas Sherman
Acting Chief
Bureau of Hazardous Waste Engineering
State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
401 East State Street
CN 028
Trenton, New Jersey 08625-0028

Re: Reorganization of Part B
Permit Application. Flowen Oil Delaware Valley Inc.
(FODV) Camden. EPA ID # NJD 980536577

Dear Mr. Sherman:

Submitted with this cover letter are ten (10) complete copies of the reorganized Part B Application, including a revised Part A Application, revised to conform with the Part B. Each complete copy consists of two (2) volumes, labeled as "A" and "B".

This revised permit application is submitted per your letter dated January 31, 1989, that approved a ninety (90) day period for REMTECH Environmental (NJ) LP to reorganize the previous submissions.

Thank you for the opportunity to complete this reorganization.

Very truly yours.

Paul t. Fleischmann Vice President REMTECH Environmental (NJ) LP

> 1800 Carman Street Camden, New Jersey 08105 (609) 365-5544 FAX (609) 365-0801



#### SECTION A

#### INTRODUCTION AND GENERAL COMMENTS

#### A. INTRODUCTION AND GENERAL COMMENTS

The facility for which this Part A and Part B permit submittal is being made, was originally built in 1981 and started operations in early 1982 as Flowen Oil Delaware Valley, Inc. (FODV). FODV has owned and operated the facility under interim status since that time. The initial Part B permit application was filed on August 22, 1984.

This current submittal is being made by Remtech Environmental (NJ) LP. (herein after referred to as Remtech Environmental). Remtech Environmental is currently operating the FODV facility under a interim management contract. The required A-901 disclosure statements have been submitted to the State of NJ and upon final approval, Remtech Environmental will finalize the purchase of FODV and become both owner and operator.

The designation "Remtech Environmental" is used in place of "FODV throughout the application. As stated, FODV has previously filed the required permit applications and is now operating under interim status. The previous permit applications were found deficient by NJ DEP and additional information responding to the deficiencies was submitted by FODV. Remtech Environmental found that the supplemental information submitted to NJ DEP required to be re-organized. This application is submitted to provide such re-organization.

Furthermore, the facility has previously lacked the financial resources to fully implement routine maintenance, repairs and process improvements that were needed to meet the ever increasing regulatory requirements promulgated since the plant was built. Remtech Environmental has invested in the facility to allow completion of these improvements. Therefore, this reorganized permit application also provides information on these improvements, both completed and proposed.

The facility located in Camden, NJ, is described in detail in Section D of this application. In brief, the facility is an waste oil treatment facility, constructed to be above the 100 year flood plain. on approximately 1 acre. The entire facility is on concrete with 6 inch curbs to allow the facility to be self containing in the event of a spill. Section D provides a full description.

The facility, as built in 1981, was designed to separate oil from water and/or sediment. The original process was based on storage is tanks, heating, filtration, pH adjustment and centrifuging. Economic processing was really optimum only when incoming oil wastes had relatively limited amounts of water and sediments.

400

The facility designers could not foresee both the wide range of oil wastes that ultimately would be regulated by the State of NJ, and the economic downturn in prices for recycled oil as a finished product. Now, the large number of oil waste materials regulated by the State of NJ has resulted in an increased customer demand for oil waste treatment services that can handle a diverse range of oil wastes including materials with much higher levels of water and sediment. To this end, the facility has been under improvement by increasing its capability to process higher sediment, higher water level waste materials. This Part B submittal includes a detailed process description in Section F. along with the final construction schedule for these improvements.

An example of a facility upgrade includes the addition of a solid bowl centrifuge that allows the facility to economically remove much higher levels of sediment. A second solid bowl centrifuge is also included in the process description.

An ultra-filtration unit has been added to pre-treat water prior to discharge to the sewer system. This is in agreement with the requirements of the discharge permit held under the authority of the Camden County Municipal Utilities Authority.

To improve the ability to separate oil from water, an emulsion breaking system is included in the application. It is important to note, all of the process design improvements only increase the ability of the facility to efficiently treat materials utilizing processes that were included in the scope of the original design; i.e.— heating, separation of oil, pH adjustment, removal of water, centrifuging to remove sediment, and filtration to remove solids. Therefore, the process improvements are consistent with the Treatment Operations described in the facility interim status permit.

The facility is approved to handle NJ DEP hazardous waste codes X721 to X728. The physically and chemically similar oil wastes identified by USEPA hazardous waste codes K048 to K059 can be handled by the treatment process of the facility.

Some waste materials that have petroleum oil fraction as a component will demonstrate a flash point less than 140 F. If these liquid oily wastes do not meet the source generating definitions listed of X721 - X728 or K048 - K059, then the waste would be correctly classified as D001. While the material is still the same oily waste, the facility would not be able to accept the D001 waste due to permit definitions, even though the facility could accept the waste if the waste were able to be classified legally as an X code or K code. The facility is designed and operated to safely handle materials with flash points less than 140 F but greater than 100 F. This permit application requests the inclusion of limited acceptance of D001 wastes oily liquid to allow acceptance of oily wastes that can be handled but would otherwise need to be rejected due to classification as D001.

One major issue associated with the acceptance of both non-RCRA hazardous wastes (X-codes) and RCRA hazardous wastes (D001, K048-K059) is the need to segregate the by-products. The application has been amended to include this required segregation.

The Waste Characteristics and Waste Analysis Plan (Section E) and Process Information and Engineering Design (Section F) have been updated to clearly show that wastes that are RCRA hazardous will be handled separately in the process, the by-products will be addressed uniquely in the waste analysis plan, and decontamination and record keeping procedures are addressed when equipment is transferred from RCRA hazardous waste handling to non-RCRA, NJ DEP X code material processing.

The Site Contingency Plan (Section I), Procedures to Prevent Hazardous (Section G), and Personnel Training Program (Section J), have been updated to reflect the addition of a K048 to K059 and D001 waste codes.

The Closure Plan (Section K) has been revised to properly address the inclusion of these RCRA hazardous waste types. The Closure plan has also been updated to include the improvements in the tank storage system.

Remtech Environmental has undertaken an extensive tank cleaning and tank improvement program. The tanks (see Section H for details) are being fitted with high level alarms and automatic cut off system that will eliminate the potential for overflow of tanks.

The tank storage area that is located south of the process building. (Drawing I in Section F) was originally designated for finished product only. The secondary containment in this area however, is sufficient for additional tanks. Consistent with the process improvements that allow the facility to handle some larger volume waste streams, (for example, water containing oil from customer spill clean up activities) this application includes the addition of two additional 25,000 gallon storage tanks in this area. In addition, four of the six tanks would be designated for both waste and product storage use. This capacity increase for waste storage in tanks will allow for significant improvements process efficiencies. The application includes this proposed increase in all applicable permit application sections, including a revised Closure Cost Estimate (Section K).

To further improve the ability to be fully self contained an automatic cut off valve is being installed at the discharge point where the facility connects to the public sewer. This device is fully described in this submittal (see Drawing K in Section F as well as Section G). This system will detect extremely low levels (ppm) of hydrocarbons and automatically shut off the discharge to prevent oil from entering the public sewer system.



The facility, therefore , in addition to being constructed on concrete with 6 inch curbs, is both physically isolated from discharging onto adjacent properties, and is also electramechanically isolated from uncontrolled discharge. This dual containment is part of the basis for this application requesting limited drum storage for the facilities own process by-products.

The Remtech Environmental facility will not accept waste in drums from customers. However, the wastes that are generated by the treatment process may be produced in volumes small enough that drum storage would allow different by-products to be properly isolated from each other in small quantities. This, for example, would be necessary if quantities of RCRA hazardous waste were being processed. These by-products would be accumulated separately to avoid mixing RCRA hazardous waste byproducts with non-RCRA hazardous waste by-products. Accumulation of these drummed by product wastes as well as by-product wastes being accumulated in roll off boxes or dump trailers, could extend beyond 90 days, while sufficient quantities are generated to allow the analyses of representative samples and obtaining final disposal approvals. The application demonstrates sufficient containment of this limited amount of material and the Closure Cost Estimate (Section K) has been modified to include provisions for up to two 25 cubic yard roll offs, or dump trailers or the equivalent volume segregated in drums.

The Inspection Procedures (Section G-2) have been modified, along with the Waste Analysis Plan (Section E) to include provisions for inspection and sampling of drums.

In conclusion, Remtech Environmental respectfully submits this permit application regarding the Flowen Oil Delaware Valley, Inc. facility to demonstrate that the facility is designed, constructed and operated in compliance with all applicable regulations. A permit issued on this application would allow Remtech Environmental to continue, and improve the operations that have been carried out under interim status.

E | Form 3510-1 (Rev. 10-80)

SIC CODES (4-digit, in order of priority)							
A, FIRST				u. SEC	OND		
[specify]		<u> </u>	(specify)		- 1 -	<del>~ · · · · · · · · · · · · · · · · · · ·</del>	
2, 9, 9, 2		7	4		•		
C. THIRD	روا رفق کا و		A	D, FOL	RTH		***
(specify)		4	(specify)				
12	·	7	<u> </u>	: '			
OPERATOR INFORMATION							
	A. NAME						ame listed     LI-A also th
<del></del>	1111		1-1-1-1	1 1-1		Owner?	
R EM T E C H E n v i r q n m e r	n. t. a. 1 (	N.J.) L. I	2			_ 🙀 YES	B - NO
	•					46	
C. STATUS OF OPERATOR (Enter the appropriate let		box; if "Other"	", specify.)		D. PHONE	(area code & s	10.)
= FEDERAL M = PUBLIC (other than federal or s = STATE O = OTHER (apecify)	rtate) P (27	ecify)		최	6'0'9	3' 6' 5    5'	5' 4' 4
- PRIVATE	<u> </u>				11 - 10	• · · · · · · · · · · · · · · · · · · ·	13
E, STREET OR P.O. BOX					•		
1800 CARMAN STREET	. • • • • • · · · · · ·	• • • • •	'	•			•
And the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	<del>-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1</del>		<del>. u</del>				
F. CITY OR TOWN	<del></del>	G.STAT	H. 21P COD				
CAMDEN	. , , , ; ;	` '   ' .	0 1 1		<u>.</u> .	id on Indian ta	r@\$/
ARDEN		N J	0, 8, 1, 0,	의 <b>'</b>	ZYES	טא עט	
•	· · · · · · · · · · · · · · · · · · ·	44 41 42	47	41			
XISTING ENVIRONMENTAL PERMITS		Const.	Samuel Co.				
A. MPDES (Discharges to Surface Water)  D. Pr	50 (Air Emissions	from Proposea :				APPLICAT	-
PENDING PP						CH IDENT	IFIES
107 119 - 10 148 14 1		- formation	F A	LL CURI	CENT ALR	PERMITS	
a. use (Underground Injection of Fluids)		t (specify)	1 1 1/2	ecify!	<del></del>		
9	l:			ecy y			
C, RCRA (Hazardous Wastes)		n (specify)					
C. RCRA (rain-cold water)		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(ap	ectfy)			<del></del>
PENDING. 9							
20 03 00 0	2) 10	•	36 1				
stach to this application a topographic map of the a e outline of the facility, the location of each of its eatment, storage, or disposal facilities, and each we ater bodies in the map area. See instructions for pred	s existing and p ell where it inje	roposed intaki cts fluids und	and discharge	e structu	res, each of	its hazardou	s waste
NATURE OF BUSINESS (provide a brief description)							
Engaged in the storage, processing waste materials, oil/water emulsion of recycled oil, discharge of treaproducts offsite for disposal.	ns, and oil	contamin	ated wate	r. Eng	gaged in	the res	ale -
		•					
			-				
•							
		<u> </u>					
II. CERTIFICATION (see Instructions)							
certify under penalty of law that I have personally ttachments and that, based on my inquiry of the pplication, I believe that the information is true, a lise information, including the possibility of fine and	ise persons imm ccurate and con	nediately respo nplete, I am a	ensible for ob	taining ti	he informat	ion containe	ed in the
NAME & OFFICIAL TITLE (type or print)	BALGNAT	URE			1	, BATE SIGN	EB/
•	1/2	0 . I	-	) 		4/2-	-/89
FLEISCHMANN, VICE PRESIDENT	<u> </u>					// 5/	
MMENTS FOR OFFICIAL USE ONLY							
	1 1 1 1 1		1 1 .1 - 1	1 1 1	1111	•	
16				4-4-4-	<u> </u>	<del></del>	
Form 3510-1 (Rev. 10-80) Reverse			****			362	
· · · · · · · · · · · · · · · · · · ·					**	311	

ि अक्स्प्रेस्ट्राच्या है। अस्ति । विकास

# U.S. ENVIRONMENTAL PROTECTION AGENCY HAZARDOUS WASTE PERMIT APPLICATION Consolidated Fermits Program

(This information is required under Section 3005 of RCRA.)

I.	EP.	A I	D.	N	JM	BE	R>						
<b>-</b>  L	N	J	D	9	8	0	5	3	6	5	7	7	7/4

	L USE ONLY		• ,,							•						
*LICATION	Yr. mo. & day	-	····							_	:01	MMENTS				
10					•											
FIRST OR	REVISED APP															
lace an "X" in sevised application	the appropriate bo on. If this is your	x in A or	r 8 below <i>(mai</i>	k one box	know	to	indic	ate v	thet	her	thi	is is the first applicati Number, or if this is	on you a	re submittir	g for your	facility or a
. I.D. Numbi	er in Item I above.												# 10010E		i, enter you	r racinty s
	PLICATION (pla ITING FACILITY	(See inst	ructions for de	finition o					•			<b>□2.</b> N	EW FAC	ILITY (Con	nplete item	below.)
N .	MO. DAT FO	R EXIST	ite item below. TING FACILIT	IES. PRO	VIDE	t TH	K D4	ATE (	YF	200		TT I down		<u></u>	OR NEW F	ACILITIE!
8 1	0,6 1.0 6	ERATIO	N BEGAN OR	THE DA	TE C	DNS	TRU	CTIC	N C	OM	M	ENCED VI.	1	11 177	ION BEGA	lay) OPER. N OR IS TO BEGIN
3. REVISED	APPLICATION			nd comple	te ite	m I e	bove	•)			_	72 76	70 74	77 71	~	
72	ILITY HAS INTE											<u>,</u>	'ACILIT	Y HAS A R	CRA PERM	IIT
	ES – CODES A		<del></del>										•			-
enterning coo	el. Il more ilmes e		). <b>Gitter the co</b> c	MW IN TR	e sosc	39 Dri	0.464	M. H		~~		ch process to be used will be used that is n	at the fa	cility. Ten	lines are pro	ovided for selow, then
Z peechipe the	process (including	ra ceng	s capacity) in t	ue abece l	provid	led o	u gy	fort	n (//	77	111	I-CJ.				
1. AMOUN	ESIGN CAPACIT  T — Enter the amo	unt.								-				·		
2. UNIT OF	MEASURE — Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Foundation in the Fo	r each an	nount entered i	in column isted belo	B(1),	, ente	or the	e cod	e fn	om '	the	list of unit measure	codes bei	ow that des	cribes the u	mit of
IAI		PRO-	APPROPRI	ATE UNI	TS O	F							PRO-	APPROP	RIATE UN	ITS OF
PR	OCESS	CESS CODE	MEASURE DESIGN	FOR PRO LCAPACI		<b>5</b>				ل	28	OCESS	CESS		RE FOR PR GN CAPAC	
r etorage:	(barrel, drum, etc.	J 501	GALLONS O		_			Tree		nt:	_					<del>_</del>
ANK WASTE PILE	(00.01 0.00	301 303	GALLONS C	R LITER				TAN	••	:E 1	MF	POUNDMENT	TO1	LITERS P	5 PER DAY ER DAY 5 PER DAY	
SURFACE IM	POUNDMENT	504	GALLONS C		15			INCI					TOS	LITERS P	ER DAY	R
INCTION V	WELL	D79	GALLONS C	R LITER	.s									GALLON	rons per 5 per hou Er hour	
NOFILL		Dii	ACRE-FEET	(the volu	me th	at		OTH	ER Rei	(Ua or b	e fo	or physical, chemical, osical treatment	T04		PER DAY	OR -
AND APPLI		D81	depth of one HECTARE-N ACRES OR I	IETER HECTARI	ES.			SULTO	ce ii	mpc	oun	ccurring in tanks, idments or inciner- the processes in				
CEAN DISP	OȘAL IPOUNDMENT	D81	GALLONS PER LITERS PER GALLONS O	DAY				the s	Pec	Pr	ovi	ded; Item III-C.)				
un.		UNI	TOF								UN	NIT OF				UNIT OF
ENIT OF ME	ASURE		SURE DE	UNIT OF	F ME/	ASUF	RE			•		ASURE CODE UN	IT OF M	EASURE		MEASURE
LITERS			6	LITERS TONS P	PER ER HO	DAY	•	• • •	• • •	• •	•	V AC	RE-FEET	r	•••••	A
" UDIC METE			<b>C</b>	GALLO	TON	S PE	RH	OUR	• • •	• •	• •	W . AC	RES	METER.		B.
AMPLE FO	er day	TEM III	fehous is line	LITERS numbers	Y-1 -		1.9 h	-1		4	-:::-	W	ks. one t	ank can hol	d 200 callo	ne and the
	400 gallons. The f	ecility at	t/ALC	eretor the	t can	burn	up t	20	geli	ons	per	r hour.	,			
-be (lin	DUP			///	/ /	' '	Ι,	Ι'	\	\	1	,	//			
A.PRO-	B. PROCE		GN CAPACI	TY	1		$\neg$		_			B. PROCESS	DESIG	N CAPAC	ITY	
10 5555	• •	MOUNT		2. UNIT	JOF	FICI	AL			ES:	5				2. UNIT	FOR OFFICIA
obove)		pecify)		SURE (enter code)	,	NE		LINE	(fro		ist	1. AM	DUNT		SURE (enter	USE
18 - 18		•		144	-	÷	7	72	16	•	•	19	<del> </del>	17	code)	30 - 3
X 1 S 0 2	6	00		G	Ш			5	T	0	4	1	2,000		E	
7-2T 0 3		20		E		-		6	T	o			/ 200			
	-			<del>   <sup>-</sup> -</del>	╁┼	╫	+	_	H	끡	4		4,200	· <del>······</del>	E	
S 0 1	10,10	00		G		İ		7	T	0	4		<b>4</b> ,080		E	
2 S 0 2	355,00	00		G	П	Т	П	8	T	0	4		3,600	· · · · · · · · · · · · · · · · · · ·		
	232,0			"	++	+	H	<u> </u>	H	4			3,000		E	
T 0 1	30,00	00		E				9				<u>.</u>		•		
4 T 0 1	6,00	00		Е	$\prod$	$\top$	П	10	П			·		<del></del>		
A Form 351	18	-	7	E		<u> </u>	<u> </u>		냂		10	10				
		76	• •			PA(	ĕΕ	10	F 5	•			14	CO CO	NTINUE O	N REVERS

100

#### SECTION B

#### PART A APPLICATION

#### I. PROCESS DESIGN DESCRIPTION

#### (LINE 1) S01 - STORAGE IN CONTAINERS

A maximum of 10,100 gallons of by-products from the facility's treatment process' (sludge, sediment, etc.) will be stored in drums, roll-off containers and/or dump trailers awaiting transport off site for final disposal. The maximum volume of 10,100 gallons was calculated anticipating a maximum of two 25 cubic yard roll-off containers or dump trailers staged on-site. One cubic yard equals approximately 202 gallons, therefore 50 cubic yards equals 10,100 gallons.

#### (LINE 2) SO2 - STORAGE IN TANKS

A maximum of 355,000 gallons of waste will be stored in twenty-one tanks. There are seventeen tanks measuring 10' diameter, 25'6" in height and have a capacity of 15.000 gallons each. There are four tanks measuring 12' diameter, 30' in height, having a capacity of 25,000 gallons each.

17 tanks × 15,000 gal = 255,000 gallons 4 tanks × 25,000 gal = 100,000 qallons TOTAL 355,000 GALLONS

#### (LINE 3) TO1 - TREATMENT IN TANKS

OIL/WATER SEPARATION SYSTEM: This system is used to separate free oil and sediment from aqueous wastes. Incoming aqueous wastes are passed through this system at a rate up to 500 gallons per minute (gpm) or 30,000 gallons per hour (gph).



#### SECTION B (Continued)

#### (LINE 4) TO1 - TREATMENT IN TANKS

EMULSION BREAKING SYSTEM: This system allows the addition of pH adjustment chemicals and demulsifiers to treat emulsions. The maximum treatment capacity of this system is 100 gallons per minute (gpm) or 6,000 gallons per hour (gph).

#### (LINE 5) TO4 - OTHER PROCESSES

Two spiral wound HEAT EXCHANGERS are used to elevate the temperature of waste streams prior to other treatment processes. These heat exchangers have a maximum flow rate of 100 gallons per minute (gpm) each or 6,000 gallons per hour (gph) each. Two heat exchangers at 6,000 gph equals 12,000 gph.

#### (LINE 6) TO4 - OTHER PROCESSES

SOLID BOWL CENTRIFUGE SYSTEM: This system separates liquid and solid phases of wastes. The system consists of two separate solid bowl centrifuges, each with a treatment capacity of 35 gallons per minute (gpm) or 2,100 gallons per hour (gph). Two centrifuges operating at 2,100 gph equals 4,200 gph.

#### (LINE 7) TO4 - OTHER PROCESSES

FILTRATION/HIGH SPEED CENTRIFUGE SYSTEM:
This system is used for the removal of water (in free emulsion) and sediment. The system consists of vibrating screens and four high speed centrifuges (HSC). The four HSC's are arranged in two parallel systems, each with a treatment capacity of 34 gallons per minute (gpm) or 2.040 gallons per hour (gph). Two parallel systems operating at 1.020 gph each equals 4.080 gph.





April 28, 1989

Mr. Thomas Sherman
Acting Chief
Bureau of Hazardous Waste Engineering
State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
401 East State Street
CN 028
Trenton, New Jersey 08625-0028

Re: Reorganization of Part B
Permit Application, Flowen Oil Delaware Valley Inc.
(FODV) Camden, EPA ID # NJD 980536577

Dear Mr. Sherman:

Submitted with this cover letter are ten (10) complete copies of the reorganized Part B Application, including a revised Part A Application, revised to conform with the Part B. Each complete copy consists of two (2) volumes, labeled as "A" and "B".

This revised permit application is submitted per your letter dated January 31, 1989, that approved a ninety (90) day period for REMTECH Environmental (NJ) LP to reorganize the previous submissions.

Thank you for the opportunity to complete this reorganization.

Very truly yours,

Paul L. Fleischmann Vice President REMTECH Environmental (NJ) LP

36 b



#### SECTION A

#### INTRODUCTION AND GENERAL COMMENTS

#### A. INTRODUCTION AND GENERAL COMMENTS

The facility for which this Part A and Part B permit submittal is being made, was originally built in 1981 and started operations in early 1982 as Flowen Oil Delaware Valley, Inc. (FODV). FODV has owned and operated the facility under interim status since that time. The initial Part B permit application was filed on August 22, 1984.

This current submittal is being made by Remtech Environmental (NJ) LP. (herein after referred to as Remtech Environmental). Remtech Environmental is currently operating the FODV facility under a interim management contract. The required A-901 disclosure statements have been submitted to the State of NJ and upon final approval, Remtech Environmental will finalize the purchase of FODV and become both owner and operator.

The designation "Remtech Environmental" is used in place of "FODV throughout the application. As stated, FODV has previously filed the required permit applications and is now operating under interim status. The previous permit applications were found deficient by NJ DEP and additional information responding to the deficiencies was submitted by FODV. Remtech Environmental found that the supplemental information submitted to NJ DEP required to be re-organized. This application is submitted to provide such re-organization.

Furthermore, the facility has previously lacked the financial resources to fully implement routine maintenance, repairs and process improvements that were needed to meet the ever increasing regulatory requirements promulgated since the plant was built. Remtech Environmental has invested in the facility to allow completion of these improvements. Therefore, this reorganized permit application also provides information on these improvements, both completed and proposed.

The facility located in Camden, NJ, is described in detail in Section D of this application. In brief, the facility is an waste oil treatment facility, constructed to be above the 100 year flood plain. on approximately 1 acre. The entire facility is on concrete with 6 inch curbs to allow the facility to be self containing in the event of a spill. Section D provides a full description.

The facility, as built in 1981, was designed to separate oil from water and/or sediment. The original process was based on storage is tanks, heating, filtration, pH adjustment and centrifuging. Economic sprocessing was really optimum only when incoming oil wastes had relatively limited amounts of water and sediments.

100

The facility designers could not foresee both the wide range of oil wastes that ultimately would be regulated by the State of NJ, and the economic downturn in prices for recycled oil as a finished product. Now, the large number of oil waste materials regulated by the State of NJ has resulted in an increased customer demand for oil waste treatment services that can handle a diverse range of oil wastes including materials with much higher levels of water and sediment. To this end, the facility has been under improvement by increasing its capability to process higher sediment, higher water level waste materials. This Part B submittal includes a detailed process description in Section F, along with the final construction schedule for these improvements.

An example of a facility upgrade includes the addition of a solid bowl centrifuge that allows the facility to economically remove much higher levels of sediment. A second solid bowl centrifuge is also included in the process description.

An ultra-filtration unit has been added to pre-treat water prior to discharge to the sewer system. This is in agreement with the requirements of the discharge permit held under the authority of the Camden County Municipal Utilities Authority.

To improve the ability to separate oil from water, an emulsion breaking system is included in the application. It is important to note, all of the process design improvements only increase the ability of the facility to efficiently treat materials utilizing processes that were included in the scope of the original design; i.e.— heating, separation of oil, pH adjustment, removal of water, centrifuging to remove sediment, and filtration to remove solids. Therefore, the process improvements are consistent with the Treatment Operations described in the facility interim status permit.

The facility is approved to handle NJ DEP hazardous waste codes X721 to X728. The physically and chemically similar oil wastes identified by USEPA hazardous waste codes K048 to K059 can be handled by the treatment process of the facility.

Some waste materials that have petroleum oil fraction as a component will demonstrate a flash point less than 140 F. If these liquid oily wastes do not meet the source generating definitions listed of X721 - X728 or K048 - K059, then the waste would be correctly classified as D001. While the material is still the same oily waste, the facility would not be able to accept the D001 waste due to permit definitions, even though the facility could accept the waste if the waste were able to be classified legally as an X code or K code. The facility is designed and operated to safely handle materials with flash points less than 140 F but greater than 100 F. This permit application requests the inclusion of limited acceptance of D001 wastes oily liquid to allow acceptance of oily wastes that can be handled but would otherwise need to be rejected due to classification as D001.

One major issue associated with the acceptance of both non-RCRA hazardous wastes (X-codes) and RCRA hazardous wastes (D001, K048-K059) is the need to segregate the by-products. The application has been amended to include this required segregation.

The Waste Characteristics and Waste Analysis Plan (Section E) and Process Information and Engineering Design (Section F) have been updated to clearly show that wastes that are RCRA hazardous will be handled separately in the process, the by-products will be addressed uniquely in the waste analysis plan, and decontamination and record keeping procedures are addressed when equipment is transferred from RCRA hazardous waste handling to non-RCRA, NJ DEP X code material processing.

The Site Contingency Plan (Section I), Procedures to Prevent Hazardous (Section G), and Personnel Training Program (Section J), have been updated to reflect the addition of a K048 to K059 and D001 waste codes.

The Closure Plan (Section K) has been revised to properly address the inclusion of these RCRA hazardous waste types. The Closure plan has also been updated to include the improvements in the tank storage system.

Remtech Environmental has undertaken an extensive tank cleaning and tank improvement program. The tanks (see Section H for details) are being fitted with high level alarms and automatic cut off system that will eliminate the potential for overflow of tanks.

The tank storage area that is located south of the process building. (Drawing I in Section F) was originally designated for finished product only. The secondary containment in this area however, is sufficient for additional tanks. Consistent with the process improvements that allow the facility to handle some larger volume waste streams, (for example, water containing oil from customer spill clean up activities) this application includes the addition of two additional 25,000 gallon storage tanks in this area. In addition, four of the six tanks would be designated for both waste and product storage use. This capacity increase for waste storage in tanks will allow for significant improvements process efficiencies. The application includes this proposed increase in all applicable permit application sections, including a revised Closure Cost Estimate (Section K).

To further improve the ability to be fully self contained an automatic cut off valve is being installed at the discharge point where the facility connects to the public sewer. This device is fully described in this submittal (see Drawing K in Section F as well as Section G). This system will detect extremely low levels (ppm) of hydrocarbons and automatically shut off the discharge to prevent of from entering the public sewer system.



The facility, therefore, in addition to being constructed on concrete with 6 inch curbs, is both physically isolated from discharging onto adjacent properties, and is also electramechanically isolated from uncontrolled discharge. This dual containment is part of the basis for this application requesting limited drum storage for the facilities own process by-products.

The Remtech Environmental facility will not accept waste in drums from customers. However, the wastes that are generated by the treatment process may be produced in volumes small enough that drum storage would allow different by-products to be properly isolated from each other in small quantities. This, for example, would be necessary if quantities of RCRA hazardous waste were being processed. These by-products would be accumulated separately to avoid mixing RCRA hazardous waste byproducts with non-RCRA hazardous waste by-products. Accumulation of these drummed by product wastes as well as by-product wastes being accumulated in roll off boxes or dump trailers, could extend beyond 90 days, while sufficient quantities are generated to allow the analyses of representative samples and obtaining final disposal approvals. The application demonstrates sufficient containment of this limited amount of material and the Closure Cost Estimate (Section K) has been modified to include provisions for up to two 25 cubic yard roll offs, or dump trailers or the equivalent volume segregated in drums.

The Inspection Procedures (Section G-2) have been modified, along with the Waste Analysis Plan (Section E) to include provisions for inspection and sampling of drums.

An updated, final construction schedule is included in Section F-3 to address the completion dates for the process improvements.

In conclusion, Remtech Environmental respectfully submits this permit—application regarding the Flowen Oil Delaware Valley, Inc., facility to demonstrate that the facility is designed, constructed and operated in compliance with all applicable regulations. A permit issued on this application would allow Remtech Environmental to continue, and improve the operations that have been carried out under interim status.

A, FIRST		(specify)	B. SECOND	
9.9.2 (specify)		71	•	
C. THIRD		- 19	D, FOURTH	
(specify)		(specify)		· · · · · · · · · · · · · · · · · · ·
1)2		1) 16 19		
OPERATOR INFORMATION				
	A. NAME	<del></del>	<del></del>	B. Is the name lis
				OWNer?
EMTECH Envir	II. III. E. II. L. d. I I.N	ladala La Para a a	<del></del>	☐ QQ YES □
C. STATUS OF OPERATOR (Enter the app	propriate letter into the answer b	ox; if "Other", specify.)	O. PHONE	(area code & no.)
FEDERAL M = PUBLIC (other than STATE O = OTHER (epecify)	federal or state) P (spec	(y)	A 6 0 9	6 5 5 5 4
PRIVATE				21 21
g. STREET O		<del></del>	•	
8 0 0 C A RM A N S T	REET			
P. CITY OR TOW	Na.	0 17A77 M 718 C	DDE IX. INDIAN LAND	
7. C.17 ON 10W	<del></del>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Is the facility locate	
AMDEN		N J 0 8 1	0,5 PYES	MO (XX)
		40 41 42 47	51	
CISTING ENVIRONMENTAL PERMITS				
A. NPDES (Discharges to Surface Water)	D. PSD (Air Emissions fro		REFER TO PART B	
PENDING	9 P		SECTION L - WHICALL CURRENT AIR	
B. UIC (Underground Injection of Fluids)	10 10 10 17 18 E. OTHER /	(specify)	ALL CURRENT AIR	PERMITS
	49111111	<del>`````````</del>	(specify)	And the second second
	20 (2) 16 17 16			
C. RCRA (Haserdous Wastes)	20 (3) (4) (7) (6) E. OTHER	(specify)		
C. RCRA (Hazardous Wastes)	20 13 16 17 19	(specify)	(specify)	
PENDING.	E. OTHER  S. OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTHER  OTH	at least one mile beyong	d property bounderies. 1	The map must sho
C. RCRA (Haserdous Wastes)  PENDING.  tach to this application a topographic management, storage, or disposal facilities, and ter bodies in the map area. See instruction	ap of the area extending to a each of its existing and prond each well where it injections for precise requirements.	et least one mile beyond posed intake and disch is fluids underground.	d property bounderies. T	its hazardous was:
C. RCRA (Hasardous Wastes)  P. E. N. D. I. N. G.  ach to this application a topographic may outline of the facility, the location of atment, storage, or disposal facilities, and the bodies in the map area. See instruction NATURE OF BUSINESS (provide a brief description of the storage) programme materials, oil/water of recycled oil, discharge of	ap of the area extending to a each of its existing and prond each well where it injections for precise requirements.	at least one mile beyond posed intake and disch is fluids underground. I treatment and discontaminated was	d property bounderies. I arge structures, each of include all springs, river is possal of used ter. Engaged in	its hazardous was s and other surface oils, oily the resale
PENDING  ach to this application a topographic may outline of the facility, the location of atment, storage, or disposal facilities, and the bodies in the map area. See instruction NATURE OF BUSINESS (provide a brief description of the storage) prograste materials, oil/water of recycled oil, discharge of	ap of the area extending to a each of its existing and prond each well where it injections for precise requirements.	at least one mile beyond posed intake and disch is fluids underground. I treatment and discontaminated was	d property bounderies. I arge structures, each of include all springs, river is possal of used ter. Engaged in	its hazardous was s and other surfa- oils, oily the resale
C. RCRA (Hasardous Wastes)  P. E. N. D. I. N. G.  ach to this application a topographic may outline of the facility, the location of atment, storage, or disposal facilities, and the bodies in the map area. See instruction NATURE OF BUSINESS (provide a brief description of the storage) programme materials, oil/water of recycled oil, discharge of	ap of the area extending to a each of its existing and prond each well where it injections for precise requirements.	at least one mile beyond posed intake and disch is fluids underground. I treatment and discontaminated was	d property bounderies. I arge structures, each of include all springs, river is possal of used ter. Engaged in	its hazardous was s and other surface oils, oily the resale
P. E. N. D. I. N. G.  sach to this application a topographic may outline of the facility, the location of atment, storage, or disposal facilities, and the bodies in the map area. See instruction NATURE OF BUSINESS (provide a brief description of the storage) programmer of recycled oil, discharge of recycled oil, discharge of	ap of the area extending to a each of its existing and prond each well where it injections for precise requirements.	at least one mile beyond posed intake and disch is fluids underground. I treatment and discontaminated was	d property bounderies. I arge structures, each of include all springs, river is possal of used ter. Engaged in	its hazardous was s and other surface oils, oily the resale
P. E. N. D. I. N. G.  sach to this application a topographic may outline of the facility, the location of atment, storage, or disposal facilities, and the bodies in the map area. See instruction NATURE OF BUSINESS (provide a brief description of the storage) programmer of recycled oil, discharge of recycled oil, discharge of	ap of the area extending to a each of its existing and prond each well where it injections for precise requirements.	at least one mile beyond posed intake and disch is fluids underground. I treatment and discontaminated was	d property bounderies. I arge structures, each of include all springs, river is possal of used ter. Engaged in	its hazardous was s and other surfa- oils, oily the resale
PENDING.  PENDING.  PENDING.  Rech to this application a topographic may be outline of the facility, the location of atment, storage, or disposal facilities, and the bodies in the map area. See instruction NATURE OF BUSINESS (provide a brief described materials, oil/water of recycled oil, discharge or oducts offsite for disposal	ap of the area extending to a each of its existing and prond each well where it injections for precise requirements.	at least one mile beyond posed intake and disch is fluids underground. I treatment and discontaminated was	d property bounderies. I arge structures, each of include all springs, river is possal of used ter. Engaged in	its hazardous was s and other surface oils, oily the resale
C. RCRA (Haserdous Wastes)  P. E. N. D. I. N. G.  Tach to this application a topographic may be outline of the facility, the location of atment, storage, or disposal facilities, and the map area. See instruction NATURE OF BUSINESS (provide a brial described on the storage, provide a materials, oil/water of recycled oil, discharge or oducts offsite for disposal products offsite for disposal provides and that, based on my inquirection. I believe that the information	ap of the area extending to a each of its existing and prond each well where it injections for precise requirements.  cription  cessing, blending, emulsions, and oil of treated water to al.  personally examined and aminy of those persons immediate true, accurate and comparisons accurate and comparisons.	at least one mile beyond posed intake and disches fluids underground. It treatment and discontaminated was POTW and the should be a familiar with the informately responsible for	d property bounderies. The sarge structures, each of include all springs, river is posal of used there. Engaged in a sipment of waste obtaining the information submitted in the obtaining the information there are significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significa	its hazardous was and other surface oils, oily the resale process by-
C. RCRA (Haserdous Wastes)  P. E. N. D. I. N. G.  Isch to this application a topographic may be outline of the facility, the location of atment, storage, or disposal facilities, and the bodies in the map area. See instruction NATURE OF BUSINESS (provide a brief described on the storage, provide a materials, oil/water of recycled oil, discharge of recycled oil, discharge or of the storage of the products offsite for dispositional contents and that, based on my inquipolication, I believe that the information is information, including the possibility	ap of the area extending to a each of its existing and prond each well where it inject ons for precise requirements.  cription  cessing, blending, emulsions, and oil of treated water to al.  personally examined and aminy of those persons immediate true, accurate and compared of fine and imprisonment.	at least one mile beyond posed intake and disches fluids underground. I treatment and disches fluids underground the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and t	d property bounderies. The sarge structures, each of include all springs, river is posal of used there. Engaged in a sipment of waste obtaining the information submitted in the obtaining the information there are significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significa	its hazardous was and other surface oils, oily the resale process by-
C. RCRA (Haserdous Wastes)  P. E. N. D. I. N. G.  Isch to this application a topographic may be outline of the facility, the location of atment, storage, or disposal facilities, and the bodies in the map area. See instruction NATURE OF BUSINESS (provide a brief described on the storage, provide a materials, oil/water of recycled oil, discharge of recycled oil, discharge of or disposal of the storage of the factor of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the st	ap of the area extending to a each of its existing and prond each well where it inject ons for precise requirements.  cription  cessing, blending, emulsions, and oil of treated water to al.  personally examined and aminy of those persons immediate true, accurate and composition of fine and imprisonment.	at least one mile beyond posed intake and disches fluids underground. It treatment and discontaminated was POTW and the should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should be a should	d property bounderies. The sarge structures, each of include all springs, river is posal of used there. Engaged in a sipment of waste obtaining the information submitted in the obtaining the information there are significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significa	its hazardous was and other surface oils, oily the resale process by-
C. RCRA (Haserdous Wastes)  P. E. N. D. I. N. G.  Rach to this application a topographic may be outline of the facility, the location of atment, storage, or disposal facilities, and the bodies in the map area. See instruction NATURE OF BUSINESS (provide a brief described and the storage, provide a brief described and the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the storage of the sto	ap of the area extending to a each of its existing and prond each well where it inject ons for precise requirements.  cription  cessing, blending, emulsions, and oil of treated water to al.  personally examined and aminy of those persons immediate true, accurate and composition of fine and imprisonment.	at least one mile beyond posed intake and disches fluids underground. I treatment and disches fluids underground the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and t	d property bounderies. The sarge structures, each of include all springs, river is posal of used there. Engaged in a sipment of waste obtaining the information submitted in the obtaining the information there are significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significa	its hazardous was and other surface oils, oily the resale process by-
e. RCRA (Hasardous Wastes)  P. E. N. D. I. N. G.  Itach to this application a topographic materials of the facility, the location of atment, storage, or disposal facilities, and ter bodies in the map area. See instruction NATURE OF BUSINESS (provide a brief described materials, oil/water of recycled oil, discharge of recycled oil, discharge or oducts offsite for disposal products offsite for disposal certify under penalty of law that I have tochments and that, based on my inquire information, Including the possibility NAME & OFFICIAL TITLE (type or print)	ap of the area extending to a each of its existing and prond each well where it injections for precise requirements.  cription)  cessing, blending, emulsions, and oil of treated water to al.  personally examined and aminy of those persons immediate true, accurate and compared fine and imprisonment.	at least one mile beyond posed intake and disches fluids underground. I treatment and disches fluids underground the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and the short and t	d property bounderies. The sarge structures, each of include all springs, river is posal of used there. Engaged in a significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significant per significa	its hazardous wasts and other surface oils, oily the resale process by-

#### SECTION B (Continued)

(LINE 8)

T04 - OTHER PROCESSES

ULTRA-FILTRATION SYSTEM: This system is used for the treatment of aqueous streams prior to discharge. The main component of the system is two ultra-filtration units each with a maximum treatment capacity of 30 gallons per minute (gpm) or 1,800 gallons per hour (gph). Two ultra-filtration units operating at 1,800 gph equals 3,600 gallons per hour.



Form Approved OMB No. 158-S80004 Tratocopy this page before completing If you have more than 26 wester to list. FOR OFFICIAL USE ONLY DUP W DUP ESCRIPTION OF HAZARDOUS WASTES (continued) C. UNIT OF MEA-SURE (enter code) D. PROCESSES B. ESTIMATED ANNUAL QUANTITY OF WASTE VASTENO. (enter code) 2. PROCESS DESCRIPTION (If a code is not entered in D(1)) 1. PROCESS CODES (enter) 100,000 100,000 100,000 X | 7 | 2 T 3 2 100,000 100,000 100,000 02 01 04 X 7 26 100,000 02 T 01 04 1,000 218 01 02 T 01 T 04 10,000 02 01 T 0 48 04 01 0 10,000 02  $\mathbf{T}$ T 04 11 10,000 0 02 T 01 04 10,000 01 02 04 10,000 Op 02 T 01 0 S T 04 14 16 1 18 .9 0 21 2 23 .4 120 26 CONTINUE ON REVERSE 'A Form 3510-3 (6-80)

PAGE 3 \_\_\_\_ OF 5

d from page 2.

374

- 4-4

ESCRIPTION OF HAZARDOUS WASTES (continued)

. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

N/A

V. FACILITY DRAWING				•
# existing facilities must include in the space provide	ded on page 5 a scale drawing of	the facility (see instructions for more det	eil).	
V PHOTOGRAPHS				
All existing facilities must include photograph treatment and disposal areas; and sites of future.				
FACILITY GEOGRAPHIC LOCATION				
LATITUDE (degrees, minutes, & a	reconds)	LONGITUDE (degrees, m.	nutes, & seconds)	
3 9 5 7 0 1	6	0 7 5 0 5	0 5 8	
L I FACILITY OWNER				

X A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FAC	ILITY'S LEGAL OWNER	2.	PHONE NO. (eres code & no.)
110	•		· 10 10 10 10 10 10 10 10 10 10 10 10 10
3. STREET OR P.O. BOX	4. CITY OR TOWN	S.ST.	6. ZIP CODE
	G	49 41 47	

#### IX. OWNER CERTIFICATION

EPA 1.D. NO. (enter from page 1)

0

ertify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached cuments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME (print or type)

aul L. Fleischmann

Vice President

8. SIGNATURE

C. DATE SIGNED

4/25/89

#### OPERATOR CERTIFICATION

ertify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the `mitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, luding the possibility of fine and imprisonment.

... NAME (print 95 type).

375

B. SIGNATURE

C. DATE SIGNED



E \ Form 3510-3 (6-80)

PLEASE REFER TO SECTION F

DRAWING I

23

378



#### SECTION B

#### PART A PERMIT APPLICATION

In addition to the information provided on the U.S. EPA forms 1 and 3, included in this Part A Application are the following items, as referenced shown below:

#### ITEM

Permits which affect the subject of the application.

Topographical Map

Scale Drawing of Facility

Photographs

Process Description

#### REFERENCE

See Section L of Part B Application

See Section D-3 of Part B

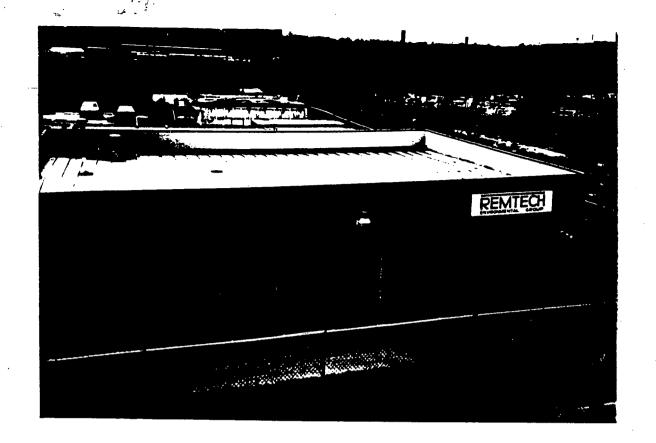
See Section D-7 of Part B

Attached in this Section

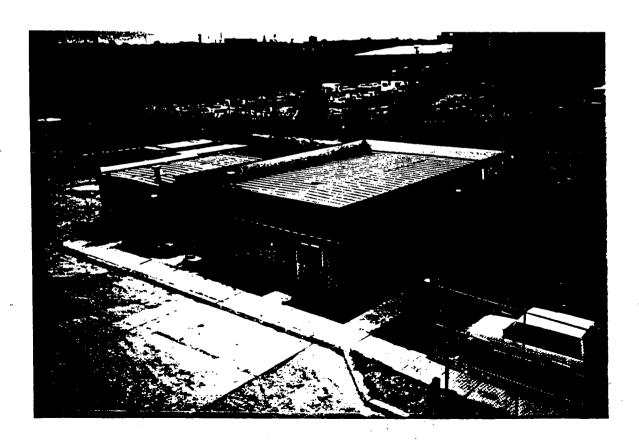
See also Section F-1 of the Part B Application in addition to information on Form 3 of the Part A Application

17 14 Es



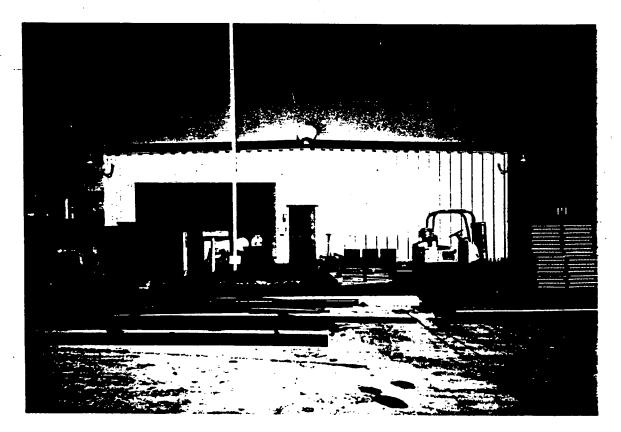


OFFICE BUILDING

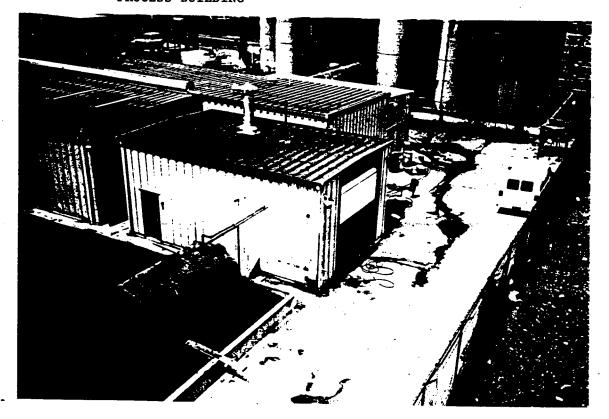


MAIN GATE, OFFICE BUILDING, AND LABORATORY

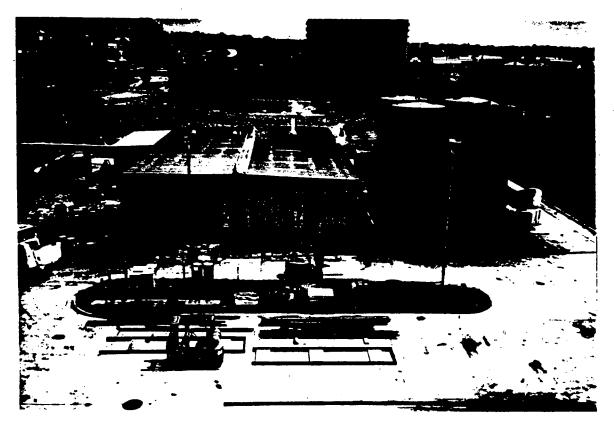
地址和新疆



PROCESS BUILDING



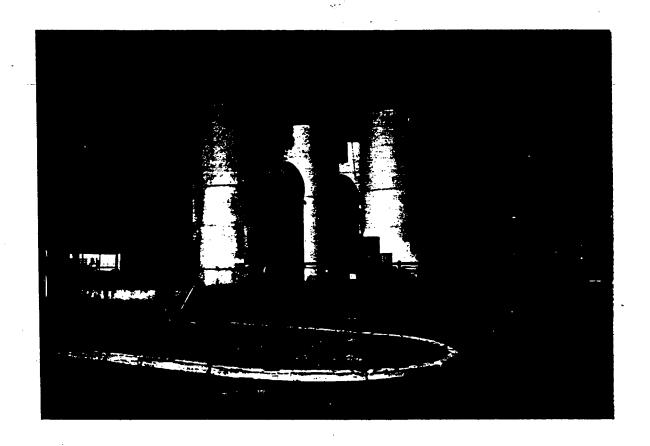
BOILER HOUSE



PROCESS BUILDING AND SOUTH SIDE TANK AND STORAGE AREA



TANK STORAGE AREA, SOUTHERN SIDE OF PROPERTY



INCOMING WASTE STORAGE TANK AND CONTAINMET AREA



STORAGE TANK SYSTEM, NORTH SIDE OF PROPERTY



TRUCK RECEIVING AREA; PROCESS BUILDING IN BACKGROUND



D. FACILITY DESCRIPTION

#### D-1 General Description

REMTECH Environmental (NJ) LP operates an oil waste treatment facility at 1800 Carman Street, Camden, NJ 08105. Telephone number 609-365-5544. See Attachments 1 and 2 for location maps. Construction of the facility began in 1981 and start-up occurred in March, 1982. The modern facility is located on a 1.97-acre site which was vacant land at the time construction began.

Approximately 1/2 (or 0.99 acres) is developed, while the other half remains vacant. Section D-6 of this application shows the survey of the facility boundaries.

A topographical map is provided in Section D-3. This shows the post construction topography of the facility, as virtually flat over the entire area currently in use. The plant is located in a commercial/industrial area.

The City of Camden Zoning Map is in Section D-4. The current map version is dated May 24, 1983 and this is exactly the same version that was submitted in the original permit application filed by Flowen Oil Delaware Valley, Inc. on August 22, 1984.

The facility is located in a Camden City zone "M-R", which is Manufacturing-Residence. The neighbors in the vicinity of the facility include:

etti ili tetti utti etti ili

A Goodwill Industries distribution facility approximately 150 feet to the west; DiMedio Lime Company, and a scrap yard directly across Carman Street to the north. To the northwest, across Carman Street is a building supply yard. The property immediately adjacent to the plant on the south and east is vacant until reaching a Greyhound Bus Maintenance Center (approximately 600 feet directly south). The abutting property on the east side is vacant.

The nearest residential areas are:

Row homes located approximately 450 feet west of the facility across from the Concord Chemical Company and also a high rise residential building approximately 700 feet east.

The wind rose data is found in Section D-5.

Section D-8 is a map showing vehicle ingress and egress. The two major access roads are Admiral Wilson Blvd. (Route 30) and Federal Street (County Highway 537). Admiral Wilson Blvd. is fed by highways 130, 38 and 70. The facility can be reached using South 18th Street from Federal (proceed south from Federal).

384

D-1 General Description (Continued)

From Admiral Wilson Blvd, the plant is reached by taking 17th Street north to Carman and traveling one block east on Carman Street.

The main roads of egress and ingress have not changed since the original permit application submitted in 1984 and identified as Exhibit 18 at that time.

In the six years of interim status operations at the facility, no specific traffic problems have arisen. The traffic volume to and from the facility is low compared to the normal commercial and industrial traffic on these routes.

All roads identified for ingress and egress are maintained by the State, County or City and are all of either concrete or asphalt construction capable of bearing fully loaded truck weights.

The facility is constructed outside of the 100-year flood platelevation of the Delaware and Cooper Rivers. The Federal Insurance Administration Map, Community Panel No. 340128 0003B, effective December 1, 1981, is Section D-9 of this application. Although the flood map shows a small portion of the southwest corner of the property to be in Zone A5 (100 year flood Plain), the elevation of Zone A5 is 10 feet and the final elevation of the facility as constructed has been elevated above this to an elevation in excess of 12 feet (See Section D-3. The Topographical Map). Therefore, the facility is located in Zone B which is a zone between the 100 year and 500 year flood boundary.

The Cooper River, a tributary to the Delaware River, is located approximately one-quarter mile west of the plant. The facility, over the entire developed area, is covered by a concrete pad and is surrounded by a containment curb. All water leaving the facility, either storm, or process which will have passed through the facility's water pre-treatment plant, passes to the City of Camden sewer system and thence to the Camden County Municipal Utilities Authority treatment plant located in the City of Camden. No water is discharged to either ground or surface waters.

The facility has an office building, a laboratory building, a process building, a boiler house and two contained tank farm areas. See attachments 3 and 4 for simplified plot plan and sketch of facility layout.

#### SECTION D-2

#### OPERATIONS DESCRIPTION

The facility is designed to accept, store and treat waste materials containing oil, water and sediment. Both physical and chemical means are employed to separate the waste materials into their component parts and to dispose of them as follows:

- 1) Product oil is shipped off site to be incinerated as a hazardous waste or used as a fuel supplement in a properly authorized facility or used as fuel in the industrial process heating applications. The final destination of the product oil is dependent upon physical and chemical analysis and is addressed in the Waste Analysis Plan.
- 2) Sediment sludges are accumulated in drums or bulk containers and disposed of appropriately, dependent upon physical and chemical analysis, also addressed in the Waste Analysis Plan.
- 3) Waste Water is treated in the facility's waste water treatment plant and sent via the City of Camden sewer system to the Camden County Municipal Utilities Authority sewage treatment plant in the City of Camden.

The facility consists of the following components:

- A laboratory which carries out physical and chemical analyses of both incoming and outgoing waste materials.
  - 2) An incoming waste storage area consisting of seventeen (17) 15,000 gallon, above ground, carbon steel storage tanks.
  - Treatment processing consisting of heat exchangers, filters, centrifuges, oil/water separators and a waste water treatment plant. These are also at various points in the treatment processes, points at which various chemicals may be added to effect more efficient separation of the various components in the waste stream. Typically, these additives are for pH adjustment and demulsification.

#### SECTION D-2 (Continued)

- 4) A product oil and waste storage area consisting of six 25,000 gallon above ground, carbon steel storage tanks, with a maximum of four tanks used at any one time for waste storage and a minimum of two tanks for product storage.
- oil, which is used to heat the waste material at various stages. The operational portion of the facility is constructed on a concrete pad, curbed and graded to prevent accidental spills from leaving the facility. All storm water leaving the facility passes through underground concrete oil/water interceptors and thence to the City of Camden common storm/sanitary sewer system. Pre-treated waste water passes directly into the facility sewer system prior to passing into the City sewer system. An emergency cut-off sensor and valve will not permit oil contaminated water to leave the facility.

Each of the two storage tank areas are constructed on concrete pads and surrounded by a concrete dike. This construction retains any accidental tank spills within the dike area, from where they must be pumped out using either mobile pumps or the facility's pumping equipment.

The operational sequence of the facility is as follows:

- A) Tank-trucks of incoming waste material are placed on a level portion of the facility and gauged by dip-stick and calibration chart.
- B) A representative sample of the waste material is drawn from this tanker and delivered to the laboratory. (Described in the Waste Analysis Plan)
- C) Various chemical and physical analyses are carried out to ensure that:
  - The facility can legally accept the waste material.
  - ii) The waste material is compatible with the materials of construction of the facility and other wastes stored at the facility.
  - iii) The facility has the capability of successfully treating the waste material.
- B) At this point, a storage tank is designated for the incoming waste material in order that similar materials are stored together.



#### SECTION D-2 (Continued)

- E) Tank-trucks are unloaded at one of the facility off-loading points dependent upon the following:
  - i) If the material is essentially aqueous in nature (i.e. less than 10% oil) it will be off-loaded through the oil/water separator.

The pre-separated components (oil, water and sludge) will be pumped to appropriate storage tanks.

- ii) If the incoming material has a higher oil content, it will be off-loaded through a pre-filter and then directly to a designated storage tank.
- F) When a batch of similar, compatible material is accumulated in a storage tank, it will be treated according to the requirements of the material as follows:
  - i) Aqueous material will be passed to the waste water treatment process tank, where oil is separated from the water. Periodically, the concentrated oil phase will be removed from this tank and treated in other portions of the facility.
  - ii) Oily wastes will be heated and then passed to the appropriate series of treatment processes which will include some or all of the following:
    - a) Sludge Removal by Centrifuge The sludges are then placed in drums or bulk storage prior to final disposal.
    - b) Oil/Water Separation by Chemical Means-The material is chemically treated, to allow separation into the component parts of the material.
    - c) Filtration To remove particulate material.
    - d) Oil/Water Separation by Centrifuge After treatment, if necessary under
       b) above.

#### SECTION D-2 (Continued)

G) Finally, accumulated batches of separated sludges and oil material are analyzed, either in the facility laboratory and/or by outside certified laboratories, prior to selecting the final classification as either finish used oil product or waste material for disposal. Waste water leaving the facility is sampled on a regular basis and analyzed for compliance with the facility waste water discharge permits.

SECTION E

#### WASTE CHARACTERISTICS/WASTE ANALYSIS PLAN

E-1 Acceptable Waste Codes

The Remtech Environmental facility is designed to process a broad range of oil wastes by utilizing heating, physical and chemical separation of oil from water, removal of solids by screening and centrifuge, and ultrafiltration of water.

The process separates wastes into their component parts of oil, water and sediment. The ranges of wastes, as defined by the facility's process capabilities, are characterized by the two letter process codes.(Exhibit B)

Typically, the process codes shown in Exhibit B, are assigned to incoming waste materials that demonstrate the following wide ranges of composition:

Oil: Trace to 100% Water: Trace to 100% Halogens: 0 ppm to 3% Solids: Trace to 80%

Flash Point: 100° F and above

pH: Greater than 2.5 to less than 12.5

The categories of hazardous wastes demonstrate the above properties and that can be handled by the process are identified by State of New Jersey Hazardous Waste Codes X721, X722, X723, X724, X725, X726, X727 and X728; as well as the chemically and physically similar oil/water/sediment wastes identified by Federal Hazardous Waste Codes K048, K049, K050 and K051.

The facility is designed to safely handle and process materials with flash points greater than 100° F. For example, with prior NJDEP approval, the facility has the authority to handle waste Isoparaffinic washing solvents (was approved by NJDEP for receipt from Philip A. Hunt Chemical Corp.-Waste Kerosene).

These and other similar types of wastes are not, by definition, characterized by either the "X" or "K" codes but they do meet the definition of D001. The facility can safely handle these types of D001 wastes, those that are greater than 100°F in flash point, and are combustible but not flammable per US Department of Transportation Hazardous Material Code NA 1993.

Acceptance of waste materials that can be otherwise handled by the facilities process and that have a flash point less than  $140\,^\circ$  F. but greater than  $100\,^\circ$  F, are included in this permit application and are listed in Part A and Part B in the appropriate sections as D001 Hazardous Wastes.

#### SECTION E-2

#### WASTE APPROVAL AND QUALITY CONTROL PLAN

#### TABLE OF CONTENTS

SECTION	SUBJECT
1.0	INTRODUCTION/OVERVIEW
	<ul><li>1.1 Quality Control Manager</li><li>1.2 Safety</li><li>1.3 Coding System</li></ul>
2.0	WASTE ACCEPTANCE PROCEDURE
	<ul><li>2.1 Material Profile Sheet (MPS)</li><li>2.2 Review of Material Profile Sheet</li><li>2.3 Notification of Acceptance</li></ul>
3.0	SCHEDULING WASTE PICK-UP AND DELIVERY
·	<ul><li>3.1 Review of Transporter's Permits and Insurance</li><li>3.2 Coordinating Arrival of Shipments</li></ul>
4.0	QUALITY CONTROL AND ACCEPTANCE PROCEDURES
	4.1 Inspection of Shipping Documents 4.2 Inspection of Shipments 4.3 Sampling of Waste Material 4.4 Screening/Analysis of Waste Samples 4.5 Determination of Acceptability 4.6 Off-Loading and Staging
5.0	LABORATORY CAPABILITIES AND PROCEDURES
•	5.1 Laboratory Capabilities 5.2 Laboratory Procedures

EXHIBIT A- Material Profile Sheet, Waste Certification Form and MPS

EXHIBIT B- Treatment and Disposal Alternatives by Waste Type

EXHIBIT C- Waste Approval/Quality Control Worksheet

EXHIBIT D- Pre-Acceptance Analysis Report (PAR)

EXHIBIT E- Laboratory Quality Assurance/Quality Control Procedures

EXHIBIT F- Waste Sampling Procedures and Guidelines

EXHIBIT G- Testing Methods and Rationale

EXHIBIT H- Laboratory Equipment Schedule



#### INTRODUCTION/OVERVIEW

In order to safely operate an efficient waste oil storage and treatment facility, it is imperative that strict administrative control systems be established. There are numerous individual control systems necessary to properly monitor and regulate the flow of material through a TSD facility. Although all of the control systems are important, two can be described as a foundation for all of the others. The following Waste Approval and Quality Control Plan (WA&QC Plan) describes these two systems.

The Waste Approval Procedure outlined in this plan can be summarized as being the initial evaluation of the waste material with regards to the facility permit constraints and treatment capabilities.

The Quality Control Procedures are designed to insure that all materials processed or disposed of by the facility exhibit the same material characteristics as those approved during the Waste Approval Procedure.

#### 1.1 Quality Control Manager

The Quality Control Manager (QC Manager) has complete authority to implement and enforce the Waste Approval and Quality Control Plan. The QC Manager's decision to deem a waste material unacceptable or off-spec will be considered final. This decision will only be reversible upon complete review of all available data to the satisfaction of the General Manager of the facility and the Group Technical Manager (refer to organizational chart in Section J5 of the Part B Permit Application).

The responsibilities of the QC Manager will include but not be limited to:

- o Supervision of laboratory operations
- o Implementation and monitoring Waste Approval Procedures
- o Implementation and monitoring Quality Control Procedures
- o Conducting bi-weekly compliance meetings. The purpose of these meetings will be to review all waste acceptance an control procedures, identify and correct system failures, and to continually inform appropriate personnel of their responsibilities.

#### 1.2 Safety

Personnel safety will be the primary concern of all employees. Every safety guideline outlined in this or any other corporate safety policy memo, and/or as directed by the Group Technical Manager will be strictly followed. Safety violations will be cause for disciplinary action or dismissal.

#### 1.2.1 <u>Safety Rules: General</u>

- a. Approved safety glasses or goggles will be worn at all times in the laboratory or when inspecting/sampling shipments.
- b. A lab coat, apron, uniform or suitable protective overgarment will be worn at all times.
- c. Full face shields will be worn when working with concentrated acids, caustics or similar materials.
- d. Protective gloves will be worn whenever working with any hazardous materials.
- e. Prior to working with any chemical or waste shipment, all QC personnel will become familiar with the available safety data for the material. For waste streams, a portion of this information is included on the Material Profile Sheet.
- f. All employees will be alert to potential safety hazards and will correct or report these to their supervisor as appropriate.
- g. Smoking will  $\underline{\text{NOT}}$  be permitted at the facility except in the administrative offices.

#### 1.3 Coding System

An integral component of the overall administrative control system employed at the facility is the coding system. Two of the codes that will be referenced in this plan (WA&QC) are the GenCode and the Process Code.

The GenCode is a five digit number assigned to each individual generator serviced by the facility. The GenCode is used to identify each location from which a generator may ship hazardous waste. This identifying number allows immediate access to the generator's file which stores all the required information regarding generator company, technical contacts, approved waste streams and special handling instructions.

The Process Code is comprised of the GenCode followed by a two letter suffix (i.e. 12345 AA). The Process Code will immediately identify the waste material as well as the generator from which it came.



The following two-digit codes will suffix the 5 digit numeric codes as part of the "Gen-Code" system. They are designed to identify the type of material to both the laboratory and the production facility.

These codes will be assigned by the laboratory when the initial sample is submitted for approval.

#### Process Codes

- AL= Aqueous streams (less than 10% oil) with low (less than 3% sediment).
- AH= Aqueous streams with high (greater than 3%) sediment.
- LL= Light oil/water (greater than 10% oil) stream with low (less than 3%) sediment not requiring chemical demulsification.
- LH= light oil/water stream with high (greater than 3%) sediment, not requiring chemical demulsification.
- HL= Heavy oil/water stream (with greater than 10% oil) with low sediment.
- HH= Heavy oil/water stream with high sediment.
- EL= 0il/water stream with low sediment which requires chemical demulsification.
- EH= Oil/water stream with high sediment which requires chemical demulsification.
- TL= Chlorinated oil (greater than 3000 ppm) with low sediment.
- TH= Chlorinated oil with high sediment.

#### 2.0 WASTE APPROVAL PROCEDURE

#### 2.1 Material Profile Sheets (MPS)

The initial step in determining the feasibility of accepting a waste material for disposal is to obtain as much information about the material's characteristics from the generator as possible. The Material Profile Sheet (MPS) will facilitate the documentation of this information in a clear and concise manner. The data obtained from the MPS will be recorded in the generators file.

A copy of the Material Profile Sheet, Waste Certification Form and the MPS Instruction Sheet is attached as "Exhibit A".

There are several sources of information a generator may use in providing the description of the waste material's physical and chemical properties and composition required on the MPS. These include:

- 1. A generators knowledge of the process and specific operation generating the waste, including feedstocks to the process, products and by-products of the process and contaminants that may be in the waste material.
- 2. If the waste material is a discarded, off-spec or spe commercial product the generator may use information from the product's material safety data sheet, supplemented to include contaminants that may have entered the waste material, and or changes in its composition and/or properties resulting from its use.

Generators will be required to supply copies of MSDs applicable to waste materials or constituents thereof whenever they are available and will be required to supply copies when they have been relied upon for this waste material's properties and/or composition.

3. Physical/chemical analysis of a waste materials. When a generator relies upon direct analyses of the waste material to ascertain its properties or composition, the generator will be required to attach a copy of the analytical results to the MPS. The generator will be required to indicate what type of waste sample was analyzed (grab, composite, time weighted composite), how representative the sample is expected to be, considering the normal variability of the waste stream, and the sampling equipment used to collect the sample (thief, dipper, trowel, auger, weighted bottle, coliwasa, dredge, etc.). Standard EPA Test Methods for Evaluating Solid Waste (SW-846) will be used for any parameters for which they are available. ASTM or other standard methods will be used for additional parameters.

#### Review of Material Profile Sheet

Upon receipt of the completed MPS from the generator, it will first be reviewed for general completeness, obvious mistakes or omissions, and valid signatures. If the MPS appears to be in order, it will be forwarded to the QC Manager for acceptance review.

In reviewing the MPS to determine if the material may be acceptable, the QC Manager, or delegate, will:

- 1. Review the MPS to verify completeness.
- 2. Review the information on the waste material's physical and chemical properties and composition to determine whether the information provided is sufficient in scope and quality to allow a determination of the material's acceptability to be made. If the information is inadequate, additional information may be requested from the generator or Remtech Environmental may elect to develop additional analytical data itself either in Remtech Environmental's own on-site laboratory or by submitting a sample of the waste to an off-site laboratory for analysis.

Should a sample of the candidate waste stream be necessary and the required analytical tests are to be performed in the on-site laboratory, a Pre-Acceptance Analysis Report (PAR) will be completed for each sample. This report (WA/QC Exhibit D) when complete will comprise part of the waste acceptance file maintained for each individual waste stream.

A decision to reject a waste material may be made based on incomplete information (the information available, although incomplete, may make it apparent that the waste is unacceptable). However, no final decision to accept a waste material will be made until adequate information on a waste material has been obtained.

The information necessary to properly evaluate a waste for acceptance varies depending on the nature of the material. In no case shall a waste be accepted unless the generator has certified in writing that the waste is properly classified as one of the permitted waste codes and a Waste Cortification Form is completed (WA&QC Exhibit A).

3. Determine if the waste material is identified as a waste code the facility is permitted to accept and that it exhibits no properties nor contains any constituents that the facility is not authorized to accept by its operating permit. 4. Determine if the waste material is a suitable candidate for one or more of the treatment options available at the Remtech Environmental facility. These treatment options include separation of oil water and solids through physical separation, screening, heating, "solid bowl" centrifuging, "high speed" centrifuging and water filtration. The treatment and disposal options available by process code shown in Exhibit WA/QC-B. At this point in the waste acceptance review process, the QC Manager and the General Manager determine which of the treatment systems may be appropriate for the waste material. Some wastes streams may be candidates for more than one treatment system. In these cases, the QC Manager and General Manager will look at specific waste characteristics to determine which treatment system is most applicable and efficient. The proposed treatment method of the candidates waste stream will be entered on the Waste Approval/Quality Control Worksheet (WA&QC Exhibit C).

After determining the most appropriate treatment method. the QC Manager and General Manager will determine which characteristics or parameters of the waste will be critical to the safe and effective handling of that particular waste. The QC Manager and General Manager will determine acceptable values or ranges for the parameters identified as critical for the safe and effective handling, storage and treatment of the waste. These parameters will then become acceptance criteria for the waste stream and will be included in the contract between the generator and Remtech Environmental as specifications for acceptance of the waste.

The QC Manager and General Manager will then select a number of screening parameters or tests to be used in fingerprinting future incoming shipments of the waste material for quality control purposes. The parameters selected may vary from waste to waste depending on the nature of the waste material. However, the parameters will be selected to provide reasonable assurance that the waste material arriving at the facility is the one that was accepted and scheduled for receipt and that it meets key specifications. Typical incoming waste shipment QC parameters are as follows:

#### AQUEOUS WASTE STREAMS

- 1. VISUAL
- 2. PAINT FILTER (EPA SW846 Method 9095)
- FLASHPOINT (EPA SW846 M1010, ASTM-93-79)
- 4. pH (paper) (SW846 M9041)
- 4a pH (Electrode) SW846 M9040
- 5. TOC (SW846 M9060, ASTM M505B)

(continued)

- 6. % WATER (Centrifuge) (ASTM D1796-68)
- 6a % WATER (Distillation) (ASTM 95-70)
- 7. % SEDIMENT (ASTM D1796-68)
- 8. CYANIDE SPOT TEST (SW846 M9010) Std Method 412D
- 9. OXIDIZER SPOT TEST\*
- 10. SULFIDE SPOT TEST (SW846 M9030) Std Method 427 3C
- 11. PCB's (SW846 M3580 3630 8080)
- 12. REACTIVITY (SW846 Sec. 7.3.3.2/7.3.4.1 with 9010/9030)
- 13. VISCOSITY
  - \* IF OXIDIZER SPOT TEST IS POSITIVE PERFORM ION SPOT TEST

#### ORGANIC WASTE STREAMS

- 1. VISUAL
- 2. PAINT FILTER (EPA SW846 Method 9095)
- 3. FLASHPOINT (EPA SW846 M1010, ASTM-93-79)
- 4. pH (paper) (SW846 M9041)
- 5. % WATER (Centrifuge) (ASTM D1796-68)
- 6. % SEDIMENT (ASTM D1796-68)
- 7. CHLORIDES
- 8. PCB's (SW846 M3580, 3630, 8080)
- 9. REACTIVITY (SW846 Sec. 7.3.3.2 / 7.3.4.1 with 9010/9030)
- 10. VISCOSITY
- 11. DENSITY (ASTM1298-80)

#### AQUEOUS/ORGANIC WASTE STREAMS (Bi-layered)

DO ALL THE REQUIRED ANALYSIS ON EACH LAYER ACCORDING TO THE ABOVE LISTINGS.

Testing methods and rationale are identified in WA/QC Exhibit G.

The OC Manager will also make note on the Waste Approval/QC Worksheet of any special handling precautions or procedures to be used and personal equipment to be worn when sampling or transferming the waste.

#### 2.3 NOTIFICATION OF APPROVAL

Upon completion of the foregoing waste candidate review procedure, the QC Manager and General Manager will make a final approval decision and assign a waste product code and a treatment price. The generator will then be issued a formal approval letter indicating the specifications for acceptance of the waste, the volume of waste acceptable at one time, and the price per unit. All quote letters will be signed by the General Manager or an authorized facility representative.

S0.249

#### 3.0 SCHEDULING WASTE PICK-UP AND DELIVERY

Subsequent to approval of a waste stream, a shipment ,may be scheduled by the generator. Scheduling will be coordinated by telephone. Details such as type of waste, quantity, container type and size, and transportation requirements will be finalized. All information obtained during scheduling will be logged in on the Approval/Control Worksheet (Exhibit WA/QC-C) for later reference.

#### 3.1 REVIEW OF TRANSPORTER'S PERMITS AND INSURANCE

When scheduling a shipment, special attention will be paid to the transportation of the waste material. If the waste is to be hauled by the generator's own vehicle, a check will be made to ensure that all necessary permits are in place and up to date. If the waste is to be hauled by an independent hauler, a complete review of the hauler permits and insurance coverage will be conducted. Copies of the independent hauler permits and an insurance certificates will be obtained and kept on file.

#### 3.2 COORDINATING ARRIVAL OF SHIPMENTS

In order to ensure the efficient handling and processing of waste shipments, arrival time will be evenly dispersed throughout the day. This will allow time for the completion of quality control procedures and the resolution of any discrepancies or material off special situations. The scheduling of arriving shipments will also be coordinated with any outgoing shipments occurring that day.

#### 4.0 QUALITY CONTROL AND ACCEPTANCE PROCEDURES

The implementation of the quality control and acceptance procedures is the responsibility of the QC Manager or his designate. The QC Manager, or delegate, will utilize an Approval/Control Worksheet (Exhibit WA&QC-C) to document each step of the QC Procedure and final acceptance/rejection of a shipment.

The generator information section of the QC Worksheet will be completed prior to the arrival of the shipment, as well as a listing of the anticipated waste types and associated volumes.

#### 4.1 INSPECTION OF SHIPPING DOCUMENTS

Upon arrival of the shipment vehicle, the first items to be checked will be the shipping papers and truck permits. Shipping papers such as a manifest or bill of lading will be checked for completeness, accuracy, and valid signatures. Information on the shipping papers will be cross checked with the information on the MPS to ensure consistency.



Truck permits and registration will be checked to ensure that the driver has valid copies of permits with the vehicle and that the truck is properly registered and insured. The permit will also be checked to verify that the transport truck is listed on the permit and where applicable the license plate number will be physically check to ascertain that it matches the number on the transporter permit.

#### 4.2 INSPECTION OF SHIPMENT

Once the shipping papers and permits have been reviewed, the QC Manager, or delegate, will inspect the actual waste shipment to verify the quantities and types of waste listed on the shipping papers. A review of this information will be documented on the Waste Approval/Quality Control Worksheet (Exhibit QC/QC-C).

The following items are considered discrepancies in the shipping document verification/incoming shipment inspection process:

- 1. The volume of a bulk shipment disagrees with the volume indicated on the accompanying manifest by greater than 10%.
- The information contained in the generator or transporter portions of the manifest is incomplete or incorrect, unsigned or undated.
- 3. An MPS and a Waste Approval/Quality Control Worksheet form are not on file for the shipment or the MPS has not been updated by the generator within the last year.
- 4. A shipment is not scheduled for receipt at the facility.

If any of the cited discrepancies are noted, the generator will be contacted to attempt to resolve the discrepancies.

If the discrepancies cannot be resolved and/or no resolution is possible, the shipment will be returned to the generator and the appropriate regulatory agencies will be notified. Discrepancies will be coordinated between the QC Manager and Customer Services.

Discrepancies and rejections of incoming waste shipments are documented on the Waste Approval/Quality Control Worksheet (Exhibit WA/QC-C).

#### 4.3 SAMPLING OF WASTE MATERIAL

Upon satisfactory completion of shipping document verification and shipping inspection, or after resolution of any discrepancies, bulk shipments will be visually inspected and sampled before they are unloaded. One or more samples of the waste material will be taken in order to confirm that the waste conforms to the waste characteristics listed on the MPS. These samples will be carefully collected by the QC Manager, or delegate, and will be forwarded to the laboratory for screening and/or analysis. Sampling methods and equipment will conform to those described in SW-846. Specific methods and equipment use in sampling various types of waste shipments and described in Exhibit QA/QC-F "Waste Sampling Procedures and Guidelines".

Every shipment of waste received by Remtech Environmental will have a representative sample taken for analysis.

#### 4.4 SCREENING/ANALYSIS OF WASTE SAMPLES

As samples are brought into the laboratory, the QC Manager or Laboratory Technician will perform certain screening tests or analyses to determine if the waste material meets the acceptability criteria for that particular waste stream. The acceptability criteria, as well as the screening test or analyses to be performed, will have been determined by the QC Manager during the approval procedure.

All of the QC screening tests and analyses will be performed in the on-site laboratory. A schedule of the laboratory equipment maintained on-site is attached as WA/QC Exhibit H.

The battery of screening test employed will be sufficient to confirm that an incoming waste stream is the waste stream described on the MPS. As an additional quality control measure, periodically incoming waste stream samples will be reanalyzed for all the parameters initially used to determine waste acceptance. Waste streams chosen for re-analysis will either be selected randomly or will target generators with a history of off-spec shipments.

The following items are considered significant discrepancies in the waste shipment inspection, evaluation, testing and analysis procedure:

- a. Any shipment which upon inspection is found to differ visually from the description contained on the MPS, or from previous shipments of the same waste.
- b. Any shipment which exhibits radioactivity above background levels.
- c. Any shipment which exhibits an odor which is noticeably different, or stronger than the odor described on the MPS, or than previous shipments of the same waste.
- d. Any shipment which exhibits physical properties which are distinctly different from those specified on the MPS or Waste Approval/QC Worksheet or from previous shipments of the same waste.
- e. Any shipment which varies from the value or range of values specified on the MPS for physical properties or chemical content, or from the value or range of values observed for these parameters in previous shipments of the same waste.
- f. Any shipment which varies with respect to air or water reactivity in comparison to the reactivity identified on the MPS, or in comparison with the reactivity observed in previous shipments of the same waste.
- g. Any shipment which exhibits a pH value which differs markedly from the value or range of values specified on the MPS or from the value or range of values observed in previous shipments of the same waste.
- h. Any waste exhibiting a flash point significantly lower than the value cited in the Acceptance Criteria.

#### 4.5 DETERMINATION OF ACCEPTABILITY

After performing the designated screening tests on the waste sample(s). the QC Manager will review the results to determine if the waste meets the acceptability criteria. Materials meeting or exceeding the acceptability criteria will be approved for acceptance. Materials failing to meet the acceptability criteria will be deemed off-spec. The determination of whether a waste material is acceptable or off-spec will be made by the QC Manager who will sign the Waste Approval/Quality Control Worksheet indicating whether the waste is acceptable or off-spec. If the waste is determined to be off-spec, the QC Manager will indicate the reason(s) for the determination.

# This Page is Intentionally Blank

If any of the discrepancies listed above have been noted for an incoming waste shipment and it has been determined to be off-spec, the QC Manager will first order that the waste material be resampled and reanalyzed to verify the off-spec finding. Based on these results, the QC Manager will pursue one of two alternatives. The first alternative will be to totally reject the waste material and return it to the generator. This alternative will be pursued with materials which would violate the conditions of the facility permit if accepted.

The second alternative will be to accept the material on a contingency basis. This alternative will be considered when a waste does not meet the acceptability criteria of the approved waste, but could be accepted by the facility identified as a slightly different waste stream. The generator of such an off-spec waste would be contacted to determine if they wish to pursue proper approval of the waste. If they decide to have the material accepted at the site, a new Material Profile Sheet would then be approved in the normal manner. The material would be allowed to be off-loaded pending the completion of the approval procedure. If the generator did not wish to pursue this course of action, the material would be rejected and returned to the generator.

When a shipment is rejected and returned to the generator, the hauler will be instructed to contact the generator for further instructions and the generator and the NJDEP will be notified immediately by phone of the shipment's rejection and by a follow-up letter verifying the rejection within seven days.

#### 4.6 OFF-LOADING AND STAGING

Once a waste material has been approved for acceptance by the QC Manager it may be off-loaded. All waste types will be grouped into receiving tanks according to compatibility and anticipated treatment method.

#### 5.0 LABORATORY CAPABILITIES AND PROCEDURES

#### 5.1 LABORATORY CAPABILITIES

The Remtech Environmental, Camden, N.J., facility laboratory has the capability to perform all test and analytical procedures associated with:

- Verifying selected data on MPS using a combination of screening and standard methods;
- incoming shipment quality control procedures;
- 3. determining the compatibility of waste materials with each other and process equipment materials of construction; and
- 4. process control monitoring procedures.



A list of laboratory equipment maintained on-site is attached as WA/QC Exhibit H.

The capabilities of the facility laboratory are supplemented as necessary by utilizing off-site laboratories. Among the independent laboratories currently utilized by Remtech Environmental are the following:

Analytikem Inc.
 Springdale Road
 Cherry Hill, NJ 08003

Telephone: 609-751-1122 Contact: Mr. John Erikson NJ Certification No. NJ04012

Wastex Industries Inc.
 28 S. Hanover Street
 Pottstown, PA 19464

Telephone: 215-327-0880 Contact: Michele Diener NJ Certification No. NJ77371

3. Analytical Associates Laboratory Inc. 1375 Office Center Princeton Meadows P.O. Box 749 Plainsboro, NJ 08536

> Telephone: 609-799-8787 NJ Certification No. NJ12660

Northeastern Analytical Corp.
 Evesham Corporate Center
 4 East Stow Road
 Mariton, NJ 08053

NJ Cortification No. NJ Federal ID 222705359

#### 5.2 LABORATORY PROCEDURES

The facility laboratory operates under the supervision of the Group Technical Manager in accordance with the standard operating procedure outlined in the Remtech Environmental Laboratory Quality Assurance/Quality Control Procedures Manual (include here as Exhibit WA/QC-E). The laboratory QA/QC manual is based on procedures and methods specified in <u>EPA Test Methods</u> for Evaluating Solid Waste, 3r Edition, September 1986, SW-846.



#### SECTION E-3

## PRODUCT OIL AND BY-PRODUCT ANALYSIS AND QUALITY CONTROL

#### A INTRODUCTION

REMTECH Environmental produces three types of materials as a result of the treatment processes. These are: product oil fuel, waste by-products for shipment to off-site disposal, and treated water suitable for discharge to the Camden County Municipal Utilities Authority.

Further, the waste by-products for off-site disposal can be broken down into two categories; hazardous and non-hazardous, with these terms as defined by both the State of NJ DEP and Federal regulations.

#### B PRODUCT OIL

Product oil produced by the plant process is evaluated to determine its proper classification under the burning and blending regulations (40 CFR 260 et. seq.) and under the Toxic Substances Control Act.

First, since the facility tests every incoming load of waste material for PCB's(polychlorinated biphenyls) and since no waste is accepted unless it has less than 50 ppm PCB's in the oil phase, it is therefore known that the product oil fuel will always have been produced without any dilution of PCB content greater than 50 ppm ever having occurred as required by the regulations.

Analysis of product oil is completed to determine if the product oil is specification used oil fuel, "off-specification used oil fuel", or "hazardous waste fuel".

First, PCB levels are determined. If they are less than 2 ppm then the oil is tested further to determine if it meets the additional requirements for "specification used oil fuel". If the oil contains 2 to 49 ppm PCB's the oil is tested further to determine if it meets the other requirements of "off specification used oil fuel" that can be handled by industrial furnaces and boilers authorized to burn less than 50 ppm PCB's (per 40 CFR 266.41(b)).

#### SECTION E-3 (Continued)

The state of the state of

Used oil that contains any quantifiable level of PCB's ()2 ppm) may only be burned in certain qualified facilities.

The product oil is then analyzed to determine if it meets the following allowable levels:

Arsenic Cadmium Chromium Lead Flash Point Total Halogens 5 ppm maximum
2 ppm maximum
10 ppm maximum
100 ppm maximum
100 F minimumm
1000 ppm or less

Non-PCB ( $\langle 2ppm \rangle$  oil that meets the above is classified as "Specification Used Oil Fuel".

If the total halogens are above 1000 ppm but less than 4000 ppm, the used oil is initially classified as "presumed hazardous" under the rebuttable presumption provided under 40 CFR 266.40(c).

Then by detailed review of all Material Profile Sheets (See Section E, Exhibit A) certifications signed by the original generators, as well as all analytical data, a determination is made if sufficient documentation is available to successfully rebutt the presumption of "hazardous waste fuel". If so, the material is then and only then, classified as "Specification used oil fuel".

If this can not be rebutted, then the oil is classified as "Off Specification Used Oil Fuel". The oil is then either sold as "Off-Specification Used Oil Fuel" or reprocessed at the facility depending upon current economical business decisions. In this specific context, reprocessing may include blending with additional used oil in order to meet the specification provided, as previously reviewed. There is no blending of oil containing any detectable (>2ppm) PCB's.

If the product oil has total halogens greater than 4000 ppm it is classified as "hazardous waste fuel", and the BTU value is determined in order to meet the minimum 5000 BTU's/pound required if the material is handled in accordance with 40CFR 266, subpart D.

When a batch of product oil is accumulated in a storage tank; it is sampled and analyzed to determine its classification. No more material is added to or removed from the tank until the required analyses are carried out, and the classification of the material has been determined.

### SECTION E-3 (Continued)]

If any product oil is added to the tank, further sampling and analyses will be carried out in order to determine the classification of the material prior to any material being removed from the tank.

#### C BY PRODUCTS

14 To 15 25 25 25 25 2

#### 1) Sediment Sludges

Sludges leaving the facility in either drums or bulk shipments are classified by NJDEP as X728, a hazardous waste. This classification may not apply in other states. In order to ensure, however, that the necessary criteria for final disposal of these sludges are met, the following procedures are adopted:

- a) When a batch of sludge material is accumulated, it is representatively sampled. (See Exhibit F. Section E)
- b) Analysis of the material is carried out either by REMTECH Environmental's laboratory, or by a qualified outside laboratory or both.
- c) A determination is made whether the material hazardous under RCRA or non-hazardous.
- d) At a minimum, the following procedures will be carried out:

Analysis of the sludges will be completed to properly characterize the waste sludge in compliance with Federal and State regulations. Analysis of the sludges will be completed to comply with final disposal facility requirements.

Initial sludges generated from each separable treatment process(i.e. one process is for X code state hazardous oil and one process for K code RCRA hazardous) will be sampled and analyzed to be able to complete a Material Profile Sheet or equivalent (Section E. Exhibit A).

Further, certification will be on file to allow disclaimer of F solvent wastes (F001-F005), pesticides/herbicides, PCB's and certain metals. See Section E Attachment A for Certification Sheet.



#### SECTION E-3 (Continued)

Once the initial analytical profile has been completed, on-going sludge generation will be quality control tested for conformance as follows:

Cyanide (Total)
Sulfide, Reactivity
Paint Filter
EP Toxic Metals
PCB's
TOX Total Organic Halides

No material is added to a batch until determination as to its classification has been made, and the material has been shipped off-site.

If any material is inadvertently added to the batch, further sampling and analysis as in a-d above will be carried out prior to disposal.

Further analysis may be required for individual facilities able to accept this material.

#### D WASTE WATER

Waste process and wash water is treated in the facility's waste-water treatment plant, prior to being discharged to the Camden County Municipal Utilities Authority's (CCMUA's) sewage treatment plant in Camden. CCMUA has issued a permit for this discharge and the frequency and required analysis are described in this permit (See Section L-2).

Analysis of this material is carried out by outside laboratories, who are certified by NJDEP to carry out the required analytical procedures. This will continue, unless or until, REMTECH Environmental's laboratory receives certification for these procedures.

At this writing REMTECH Environmental has an application pending for a NJPDES SIU discharge permit. When this permit is issued, the required sampling analysis and reporting procedures will be carried out as required in the permit.

#### SECTION F

#### PROCESS FLOW DESCRIPTION

#### General Description of Treatment Capabilities

The Treatment Processes at the Facility are designed by means of physical and chemical processes to separate oil containing waste streams into their component parts. These materials, primarily oil, sludge (sediment) and water are then disposed of by various appropriate approved methods to be discussed further in this submittal.

The processes used at the Facility are able to separate liquid waste streams as described by the N.J. Waste Codes X721 through X728, as well as, the chemically and physically similar oil/water/sediment wastes identified by Federal Hazardous Waste Codes 8048, 8049, 8050 and 8051.

The facility is designed to safely handle and process materials with flash points greater than 100 F. For example, with prior NJDEP approval, the facility has the authority to handle waste Isoparaffinic washing solvents (was approved by NJDEP for receipt from Phillip A. Hunt Chemical Corp.-Waste Kerosene).

These and other similar types of wastes are not, by definition, characterized by either the "X" or "K" codes but do meet the definition of D001. The facility can safely handle these types of D001 wastes that are greater than 100 F in tlash point and are combustible but not flammable per US Department of Transportation Hazardous Material Code NA 1993.

The facility policies are as follows:

- All treatment by-products resulting from the treatment of RCRA hazardous waste will be identified as hazardous and will be disposed of in compliance with all applicable regulations.
- Prior to acceptance of a RCRA hazardous waste segregated storage tank(s) will be identified to avoid co-mingling of compatible RCRA hazardous and RCRA non-hazardous waste petroleum products. Should at any time inadvertent co-mingling of RCRA hazardous wastes and RCRA non-hazardous wastes occur, all by products resulting from the treatment of this material will be identified as hazardous and will be disposed of with all applicable regulations.
- RCRA hazardous waste can be segregated from non-RCRA hazardous wastes upon receipt into designated tankage since the waste receiving tank and storage area is set up to allow off-loading into any waste storage tank. When handling RCRA hazardous waste a tank or tanks will be designated for receiving RCRA hazardous wastes only.

The processing system itself is constructed to allow waste stream being processed to be selectively directed into only one of the systems at a time. Wastes therefore can be selectively directed into either the solid bowl centrifuge system or into the emulsion breaking system or into the filtration-high speed centrifuge system without having to contaminate the other system-if the other system required for treatment. Therefore. the decontamination afterward is minimized to the best extent possible. Process by-products from each of these separate "process loops" can kept separate. Finished product generated from the treatment of RCRA hazardous waste can either be drummed or directed into another storage tank. The selected storage tank will be designated for RCRA hazardous waste product storage only.

Oil that requires additional processing can be directed into a selected tank in the waste storage area and there is sufficient tank storage to be able to designate one in-process tank for RCRA hazardous waste and one process tank for non RCRA hazardous waste but hazardous by NADEP classification.

by-product solids will be isolated by drumming and for placing them in a bulk container dedicated to RCRA hazardous waste.

After processing as RCRA hazardous waste, the tanks and associated systems will be decontaminated prior to being used for non-RCRA hazardous waste.

The operating log books will at all times designate the RCRA vs non-RCRA status of the tanks and associated systems.

NJ Hazardous	Hazardous
<u> Maste Mumber</u>	<u>Waste</u>
1. X721	Waste automotive crankcase and lubricating oils from automotive service and gasoline stations. truck terminals, and garages.
2. X722	Waste oil and bottom sludge generated from tank cleanouts from residential/commercial fuel oil tanks.
3. X723	Waste oil and bottom sludge generated by gasoline stations when gasoline and oil tanks are tested, cleaned or replaced.
4. X724	Waste petroleum oil generated when tank trucks or other vehicles or mobile vessels are cleaned, including, but not limited to, oily ballast water
410	from product transport units of boats, barges, ships or other vessels.

410

5. X725 Oil spill cleanup residue which: A. is contaminated beyond saturation; or B. the generator fails to demonstrate that the spill material was not one of the

listed hazardous waste bils.

ο̈.	×726	The following used and unused waste oils: metal working oils; turbine lubricating oils; diesel lubricating oils; and quenching oils.
7.	X727	Waste oil from the draining, cleaning or disposal of electric transformers.
8.	X728	Bottom sludge generated from the processing, blending, and treatment of waste oil in waste oil processing facilities.
9.	K.048	Dissolved air flotation (DAF) float from the petroleum refining industry.
10.	K <b>0 4</b> 9	Slop oil emulsion solids from the petroleum refining industry.
11.	K050	Heat exchanger bundle cleaning sludge from the petroleum refining industry.
12.	K Ø 5 1	API separator sludge from the petroleum refining industry.
13.	n 0 0 1	Waste oil bearing liquids having a flash

#### Operational Categorization of Waste Streams

The facility is capable of accepting and treating a wide variety of waste streams with varying concentrations of oil, sediment (sludge) and water.

In order to identify the treatment processes to which these varying wastes will be directed, they have been divided into the following categories, and assigned the following production codes:

point less than 140 F, but greater than 100 F and not included in 1-12 above.

- Al = Aqueous stream (less than 10% oil) with low (less than 3%) sediment.
- AH= Aqueous stream with high (greater than 3%) sediment.
- Ll= light oil/water (greater than 10% oil) stream with low (less than 3%) sediment not requiring chemical demulsification.
- LH= Light oil/water stream with high(greater than 3%) sediment.
  not requiring chemical demulsification.
- HI= Heavy oil/water stream (greater than 10% oil) with low sediment.
- HH= Heavy oil/water stream with high sediment.



- EL= Oil/water stream with low sediment which requires chemical demulsification.
- EH= Oil/water stream with high sediment which requires chemical demulsification.
- TL= Chlorinated oil (greater than 3000 ppm) with low sediment.

TH= Ehlorinated oil with high sediment.

A production code and a corresponding treatment method is determined for each waste stream during the waste acceptance procedure prior to the material actually arriving at the facility. Upon arrival at the facility the waste material's characteristics are checked and the production code/treatment method is confirmed.

Subsequent to confirming the proper treatment for each incoming waste stream, the material is off loaded through a receiving tank and is transferred into one of the seventeen (17) 15.000 gallon waste storage tanks (Drawing A).

#### 3. Description of Treatment and Processes Equipment

The Flower/REMTECH facility utilizes the following equipment to transfer, treat and/or store oil contaminated waste streams:

-	Waste Receiving & Tank Storage System	(Drawing	A )
	Oil/Water Separator System	(Drawing	
-	Ultrafiltration System	(Drawing	C)
	Solid Bowl Centrifuge System	(Drawing	n)
	Emulsion Breaking System	(Drawing	E)
-	Filtration and High Speed		
	Centrifuging System	(Drawing	F)
-	Process Heating Loop System	(Drawing	G)
-	Process Flow Schematic	(Drawing	H )

The specific flow of waste material through the facility and the sequence of treatment processes to be employed will be dependent on the waste materials physical characteristics and for contaminants. A <u>Process flow Schematic</u> is attached as Drawing H.

Listed below is a description of each major piece of equipment grouped under the process system which it functions.



#### WASTE RECEIVING AND TANK STORAGE SYSTEM

Refer to Attached Brawing A

This system is used to off-load incoming waste from tank trucks and place the material in storage prior to treatment.

Trucks are unloaded by gravity into the receiving tank where two bar filter screens remove gross solids. Two yard pumps then pass the waste material to a previously designated storage tank at a rate of up to 168 gpm. These pumps are also capable of:

- o moving material from any tank to any other tank for purposes of consolidation prior to treatment.
- o moving untreated aqueous materials to the oil/water separator.
- o moving material from a storage tank to load a tank truck.

#### Equipment Li'st A

- Name: Receiving Tank

Description: Carbon Steel Open Top Tank, 5'6" x 4'W x 4'High

with 3/8" and 3/16" bar filter screens to remove larger debris. Trucks unload by gravity into these

tanks.

Quantity: 2

Size: 600 Gallons

Material of

٠, ٠, ٠, ٠,٠

Construction: Carbon Steel

Capacity: N/A

- Name:

Yard Pumps

Description:

Mono MD80 P.D. pumps which can move waste material from:

- a) Receiving tank to tanks A,B. 1-12, C1, C2 and C3.
- b) From any tanks listed above to any tanks listed above.
- c) From any tank listed above to receiving tank at oil/water separator.
- d) From any tank listed above to load tank trucks.

Quantity:

2

Size:

80mm (4 inch)

Material of

Construction:

Cast Iron/Stainless Steel

Capacity:

84 qpm

- Name:

Storage Tanks

Description:

Above-ground vertical storage tanks with (1) 18" diameter manway on top and one 24" diameter 4-ft. from bottom.

These tanks are used for receipt of incoming wastes and/or storage of intermediate process materials.

Four 25,000 gal. tanks may be used for this purpose and storage of product oil. Two

25,000 gal. tanks are used for product oil only.

Quantity:

23

Size:

17 - 10' diameter x 25'6" high 6 - 12' diameter x 30'0" high

Material of

Construction:

Carbon Steel

Capacity:

17 - 15,000 Gallons (nominal)

6 - 25,000 Gallons (nominal)

- Name:

Separator Delivery Pumps

Description:

Pumps which deliver pre-treated aqueous streams to tanks 7,9, C1,

C2 or C3.

Quantity:

2

Size:

3" × 4" × 8"

Material of

Construction:

Carbon Steel/Stainless Steel

Capacity:

250 qpm

- Name:

Oil Pump

Description:

A pump which removes the oil phase from the oil/water separator and delivers it to tanks 4 and 6 for further processing.

Quantity:

1

Size:

6"

Material of

Construction:

Carbon Steel/Stainless Steel

Capacity:

100 gpm

- Name:

Sludge Pump

Description:

A Moyno P.O. pump which removes the sediment from the oil/water separator and delivers it to tank 2 for further processing.

Quantity:

1

Size:

2"

Material of

Construction:

Carbon Steel

Capacity:

50 gpm

#### OIL/WATER SEPARATOR SYSTEM

- Refer to Attached Drawing B

This system is used to separate free oil (i.e. oil not in emulsion) and sediment from aqueous wastes.

Incoming aqueous wastes are passed through this system at a rate of up to 500 gallons per minute (gpm). The outgoing aqueous phase is then pumped to storage in one or more of tanks C1, C2, C3, 7 or 9 for future treatment in the Ultrafiltration process.

The outgoing oil phase is pumped to storage in tanks 4 or 6 for further treatment in either the Emulsion Breaking System and/or Filtration and High-speed Centrifuging System.

The outgoing sediment phase is pumped to storage in tank 2 for further treatment in the Solid Bowl Centrifuge.

#### Equipment List B:

- Name:

8.

Separator Feed Pumps

Description:

Pumps which pump material from aqueous receiving tank to oil/water separator.

Quantity:

Size:

6 '

Material of

Construction:

Carbon Steel/Stainless Steel

Capacity:

250

- Name:

Oil/Water Separator

Description:

A coalescer separator to remove free oil and sediment from oil contaminated water. The separator employs steam heated coils

to prevent freezing.

Quantity:

416<sup>Size:</sup>

10' wide x 9'long x 8' high

Material of

Construction: Carbon Steel with Coal Tar

Epoxy Coating

Capacity:

Up to 500 gpm

-Name:

pH Control System

Description:

A diaphragm metering pump and a pH control and probe which monitors and adjusts the pH of the aqueous

phase leaving the oil/water separator.

Quantity:

1

Materials of

Construction:

pH probe-glass.

Metering pump and associated piping and valves-

plastic/stainless steel.

Capacity:

Up to 2.5 gpm.

#### ULTRA - FILTRATION SYSTEM

- Refer to Drawing C

This equipment is used for final treatment of water prior to sewer discharge. All process water and wash water from the process building passes through this equipment prior to discharge to the City of Camden Sewer System, and thence, to the Camden County Municipal Utilities Authority Treatment Plant in the City of Camden.

Fre-treated water wastes are pumped from Tanks 7, 9 C2 or C3 into tank C1, from which the material is pumped to the Ultra-Filtration Unit under pressure. Water passes through the membranes of the unit into a 1000 gallon storage tank at up to 30 gpm, and thence to the plant sewer system. The balance of the material passes back to tank C1. Tank C1 is periodically replenished with waste water pumped from tanks 7,9, C2 or C3, until the oil content in tank C1 reaches 25-40%. At this time, the concentrated material is pumped to another storage tank for further treatment in the Emulsion Breaking System.

# Equipment List C:

- Name:

U.F. Feed Pump

Description:

A centrifugal pump which pumps pre-

treated aqueous material from the process tank

to the Ultra-Filtration system. The balance of material flows back

to the process tank.

Quantity:

1.

Size:

3" x 2" x 8"

Material of

Construction:

Cast Steel

Capacity:

100 gpm

- Name:

Line Heater

Description:

A 40 sq. ft. spiral tube and shell heat exchanger which heats product from tank C1 prior to ultra-filtration.

Quantity:

1

Size:

2'6'' diam.  $\times$  1'3'' high (40 sq. ft. of

heating area).

Material of

Construction:

Shell - Stainless Steel Tubes - Cupro-nickel

Capacity:

50 apm

-Name:

pH Control System.

Description:

A diaphragm metering pump and a pH control and probe which monitors and adjusts the pH of feed material

to the Ultra-Filtration Unit.

Quantity:

1

Material of

Construction: pH probe-glass.

Metering pump and associated piping and valves-

plastic/stainless steel.

Capacity:

Up to 1g pm (metering pump).

183

Circulating Pump

Description:

A centrifugal pump circulating process

liquid through the U.F. module.

Quantity:

1

Size:

6" x 4" x 12"

Material of

Construction: Carbon Steel

Capacity:

600 qpm

-Name:

Ultra-Filter Module

Description:

A series of 168, 1" x 10' membrane tubes for removal of oil from waste water. The process liquid is continuously pumped through the tubes, where waste water

passes through the membrane, and thence to sewer discharge. Oil is thus prevented from

being discharged to sewer.

Quantity:

1

Size:

388 Sq. Ft.

Material of

Construction:

Koch Membrane Filter Systems

HDPE Pipe - Membrane material Proprietary

Capacity:

30 gpm

- Name:

Water Storage Tank

Description:

A 1000 Gallon storage tank for receipt

of treated water prior to sewer

discharge.

Quantity:

Size:

6' diam. x 7' high

Material of

Construction:

High density polyethylene

Capacity:

1000 gallons (nominal)

# SOLID BOWL CENTRIFUGE SYSTEM

D.

 Refer to Drawing D and Drawing H - Process Flow Schematic

This equipment is used to separate liquid and solid phases of wastes. High sediment wastes or sludges are heated to reduce viscosity and then passed to the solid-bowl centrifuge for separation of the oil/water and sediment phases.

The equipment relies on centrifugal force to separate by gravity the dense (sediment) phase from the light (oil and/or water) phase. Each centrifuge has a capacity of up to 35 gpm.

The sediment phase is collected in containers for disposal, or further off-site treatment prior to disposal.

The liquid phase, depending upon the nature and content of the material will be passed to another treatment process, or to product storage according to the following parameters:

- Material containing less than 2% BS&W (bottom sediment and water) will be pumped to product storage.
- ii) Material containing loss than 15% BS&W in free emulsion (i.e. separable by gravity) will be pumped to vibrating filters to remove solids greater than 86 microns in size and thence to high-speed centrifuges where water and sediment will be removed to a maximum of 2% BS&W.
- iii) Material containing more than 15% BS&W. or oil and water in a chemical emulsion will be pumped to the Emulsion Breaking System where:
  - a) Oil and water will separate down to a maximum of 15% BS&W in the oil phase, or,
  - b) pH adjustment together with chemical demulsifiers will be used to separate the oil and water down to as maximum of 15% water in the oil phase prior to further treatment.

If plant conditions dictate, the liquid phase from the solid bowl centrifuge may be pumped to storage tanks 4 or 6 for future treatment. Chemical flocculents and/or coagulants may be injected directly into the feed to the solid bowl centrifuges as an aid to improving either the condition of the sediment leaving the equipment and/or assisting the removal of sediment from the liquid phase.

# Equipment List D:

- Name:

Flocculent/Coagulant Injection Pump

Description:

A diaphragm pump capable of delivering up to

0.5% of flow capacity from a drum into the process line prior to the solid bowl

centrifuge.

Quantity:

1

Size:

1/2"

Material of

Construction:

Plastic/Stainless Steel

Capacity:

0.35 qpm

- Name:

Solid-Bowl Centrifuge

Description:

A liquid/solid centrifugal separator operated

on a continuous basis, to remove sediment,

from oil/water mixtures.

Quantity:

2

Size:

4' long x 2.5' wide x 3' high

Material of

Construction:

Stainless Steel

Capacity:

Liquid Phase receiver

Description:

A 20 gallon carbon steel column with level control

and high level feed cut-off.

Material of

Construction:

Schedule 40 C.S. pipe

Capacity:

20 gallons

- Name:

Delivery Pump

Description:

A Moyno P.D. Pump controlled by a varying column pressure capable of delivering a continuous flow of

liquid to:

a) Storage tanks 4 and 6 b) Emulsion breaking system

c) Filtration/high speed centrifuge system

d) Product storage tanks

Quantity:

1

Size:

4 "

Material of

Construction:

Carbon Steel/Stainless Steel

Capacity:

# EMULSION BREAKING SYSTEM

- Refer to Drawing E

This equipment is used for two purposes:

- a) To allow separation of oil and water in free emulsion, using heat to reduce viscosity.
- b) To chemically separate oil and water in chemical emulsion using pH adjustment and demulsifiers.

The material separated in this equipment will be processed at up to 100 gpm. Material will be pumped from the heating loop or the solid-bowl centrifuge to this system.

The oil phase upon leaving the system will be pumped to either the filtration/high speed centrifuging system for further treatment, or be returned to tank 4 or 6 for future treatment. If the 658W of the oil phase is less than 20, this material will be pumped to final storage for disposal. The aqueous phase will be pumped to tanks 7, 9, 01, 02 or 03 for future treatment through the Ultra-Filtration Unit, after pH adjustment (if necessary) to the range of 6-9. This is necessary in order to comply with sewer discharge requirements. The sediment (sludge) phase will be drummed and pumped to tank #2 or pumped directly to tank #2 for future treatment in the solid-bowl centrifuge.

# Equipment List E:

- Name:

Great Lakes Model 100 EBS/or approved equivalent.

Description:

This equipment is used to separate chemically emulsified oil/water mixtures into their component parts through chemical and physical means. The unit consists of:

- a) A mixing section for pH reduction to as low as 2 through the addition of sulfuric acid and for the addition of demulsifier chemical.
- b) A separation section including a slant rib coalescer, and steam coils for freeze prevention.
- c) A mixing section to increase pH to the range 6-9 using sodium hydroxide, in order to meet sewer discharge requirements.

Size:

4'5" wide  $\times$  17'9" long  $\times$  7'0" high

Material of

Construction: Carbon Steel/Coal tar epoxy coating.

Capacity:

100 apm

- Name:

Aqueous Phase Pump

Description:

A Centrifugal pump for removal of the aqueous phase, and delivery to tanks 7,9, C1, C2 or C3 for further treatment.

Quantity:

1

Size:

2" × 1/2" × 8"

Material of

Construction:

Carbon Steel

Capacity:

Acid Injection Pump

Description:

A diaphragm pump capable of delivering up to 1% of process flow from a drum into the process liquid to reduce the pH to as low as 2 and to enable demulsifier chemicals to be effective.

Quantity:

1

Size:

0.5"

Materials of

Construction:

Plastic/Stainless Steel

Capacity:

1 qpm

-Name:

Demulsifier Injection Pump

Description:

A diaphragm pump capable of delivering up to 0.5% of the process flow from a drum into the process liquid to enable oil/water emulsion to be separable

under physical separation methods.

Quantity:

1

Size:

0.5"

Material of

Construction:

Stainless Steel/Plastic

Capacity:

0.5 gpm

- Name:

Oil Phase Pump

Description:

A Moyno P.D. pump for removal of the oil phase from the emulsion-breaking system

and delivery to the following:

a) Tanks 4 or 6 for further processing, or

b) To product storage, or

c) To filtration, high speed centrifuging

system.

Quantity:

Size:

6 "

Material of

Construction: Carbon Steel/Stainless Steel

Capacity:

85 qpm

Sludge Pump

Description:

A Moyno P.D. pump for removal of the sludge phase from the emulsion breaking system and delivery to tank 2 for further processing.

Quantity:

1

Size:

2 "

Material of

Construction:

Carbon Steel/Stainless Steel

Capacity:

# FILTRATION AND HIGH SPEED CENTRIFUGING SYSTEM

— Refer to Drawing F

This treatment system is used for the final treatment of oil containing less than 3% sediment (sludge) and less than 15% water in free emulsion.

The material is passed over vibrating screens to remove solids greater than 83 microns in size, and then heated in line heaters prior to being pumped to high speed centrifuges. Here, water is also pumped into the centrifuges. Free water contained in the oil together with sediment leaves the centrifuge with the water phase, and is passed to a settlement tank where the excess water is drained off and pumped to tank #11 or the oil/water separator for further treatment. The clarified oil phase is then pumped to product storage.

The settled sludge in the settlement tank is periodically pumped off and to storage in tank #2 for processing through the solid bowl centrifuge.

# Equipment List F:

- Name:

Vibrating Screens

Description:

Kason 48" vibrating screens with 200 mesh (83 microns) stainless steel mesh to prevent solids larger than that specified from reaching the high speed centrifuges.

Quantity:

2

Size:

48"

Materials of

Construction:

Carbon Steel/Stainless Steel

Capacity:

35 dpm





Demulsifier Injection System

Description:

An injection pump capable of delivering up to 0.5% of flow rate to the pipe prior to the vibrating screens to allow better separation of oil and water to occur at

the high speed centrifuge.

Quantity:

1

Size:

0.5"

Materials of

Construction: Stainless Steel/Plastic

Capacity:

0.5 gpm

- Name:

Intermediate Pumps

Description:

Mono M.D. 70 P.D. pumps to remove process liquid from the vibrating screens to in-line heaters, and thence to the

high speed centrifuge.

Quantity:

Size:

70MM (3")

Materials of

Construction:

Cast Inon/Stainless Steel

Capacity:

35 qpm

- Name:

Line Heaters

Description:

Hairpin tube and shell heat exchangers which are used to heat process liquid to as high as 200 F before introduction to the high speed centrifuges. High pressure steam (up to 100 psiq) is used as the heating medium and condensate is returned for reuse.

Quantity:

Size:

15 sq. ft.

Materials of

Construction: Carbon Steel

49 Capacity:

17.5 gpm

High Speed Centrifuges

Description:

Sharples D1500 high-speed nozzle bowl-type centrifuges to remove sediment up to 3% and water up to 15% from the process fluid. Water is added at up to 14 qpm, and the sediment and water from the process liquid leaves the centrifuge with the water phase. The clarified oil phase leaves the centrifuge separately for removal to product storage.

Quantity:

4

Size:

3' long  $\times$  3' wide  $\times$  4' high

Materials of

Construction:

Cast Steel, Cast Aluminum, Stainless Steel

Capacity:

17.5 apm

- Name:

Product Pumps

Description:

Mono MD 70 P.D. pumps which remove clarified oil from the high speed centrifuges and deliver it to:

ā) Product tanks P1 - P6, or

b) Tanks 4 or 6 for further processing

Quantity:

2

Size:

.70mm (3")

Materials of

Construction:

Cast Iron/Stainless Steel

Capacity:

35 apm

#### WASTE RECEIVING AND TANK STORAGE SYSTEM

Refer to Attached Drawing A

This system is used to off-load incoming waste from tank trucks and place the material in storage prior to treatment.

Trucks are unloaded by gravity into the receiving tank where two bar filter screens remove gross solids. Two yard pumps then pass the waste material to a previously designated storage tank at a rate of up to 168 gpm. These pumps are also capable of:

- moving material from any tank to any other tank for purposes of consolidation prior to treatment.
- moving untreated aqueous materials to the oil/water separator.
- moving material from a storage tank to load a tank truck.

# Equipment List A

- Name:

Â.

Receiving Tank

Description:

Carbon Steel Open Top Tank,  $5'6" \times 4'W \times 4'$ High with [3/8" and 3/16"] bar filter screens to remove larger debris. Trucks unload by gravity into these

tanks.

Quantity:

Size:

600 Gallons

Material of

Construction:

Carbon Steel

Capacity:

N/A

7::



Yard Pumps

Description:

Mono MD80 P.D. pumps which can move waste material from:

- a) Receiving tank to tanks A.B. 1-12, C1. C2 and  $\mathbb{C}^3$
- b) From any tanks listed above to any tanks listed above.
- c) From any tank listed above to receiving tank at oil/water separator.
- d) From any tank listed above to load tank trucks.

Quantity:

2

Size:

80mm (4 inch)

Material of

Construction:

Cast Tron/Stainless Steel

Capacity:

84 qpm

- Name:

Storage Tanks

Description:

Above-ground vertical storage tanks with (1) 18" diameter manway on top and one 24"

diameter 4-ft. from bottom.

These tanks are used for receipt of incoming wastes and/or storage of intermediate process materials.

Four 25.000 gal. tanks may be used for this

purpose and storage of product oil. Two 25,000 qal. tanks are used for product oil only.

Quantity:

23

Size:

17 - 10' diameter x 25'6" high 6 - 12' diameter x 30'0" high

Material of

Construction:

Carbon Steel .

Capacity:

17 - 15,000 Gallons (nominal) 6 - 25,000 Gallons (nominal)

Separator Delivery Pumps

Description:

Pumps which deliver pre-treated aqueous streams to tanks 7,9. C1.

C2 or C3.

Quantity:

2

Size:

3" x 4" x 8"

Material of

Construction:

Carbon Steel/Stainless Steel

Capacity:

250 qpm

- Name:

Oil Pump

Description:

A pump which removes the oil phase from the oil/water separator and delivers it to tanks 4 and 6 for further processing.

Quantity:

1

Size:

6"

Material of

Construction:

Carbon Steel/Stainless Steel

Capacity:

100 apm

1° 42 50 +

- Name:

Sludge Pump

Description:

A Moyno P.D. pump which removes the sediment from the oil/water separator and delivers

it to tank 2 for further processing.

Quantity:

1

Size:

2"

Material of

Construction:

Carbon Steel

Capacity:

8.

# OIL/WATER SEPARATOR SYSTEM

- Refer to Attached Drawing B

This system is used to separate free oil (i.e. oil not in emulsion) and sediment from aqueous wastes.

Incoming aqueous wastes are passed through this system at a rate of up to 500 gallons per minute (gpm). The outgoing aqueous phase is then pumped to storage in one or more of tanks C1, C2, C3, 7 or 9 for future treatment in the Ultrafiltration process.

The outgoing oil phase is pumped to storage in tanks 4 or 6 for further treatment in either the Emulsion Breaking System and/or Filtration and High-speed Centrifuging System.

The outgoing sediment phase is pumped to storage in tank 7 for further treatment in the Solid Bowl Centrifuge.

# Equipment List B:

- Name: Separator Feed Pumps

**Description:** Pumps which pump material from aqueous

receiving tank to oil/water separator.

Quantity: 2

Size: 6'

Material of

Construction: Carbon Steel/Stainless Steel

Capacity: 250

- Name: Oil/Water Separator

**Description:** A coalescer separator to remove free oil

and sediment from oil contaminated water. The separator employs steam heated coils

to prevent freezing.

Quantity: 1

Size: 10' wide x 9'long x 8' high

Material of

Construction: Carbon Steel with Coal Tar

Epoxy Coating

Capacity: Up to 500 qpm

433

Settlement Tank

Description:

A V-bottom sectional tank where water from the high-speed centrifuges is recycled for further use. The sediment settles to the bottom of the tank, and any free oil plus water weirs from the top for further treatment prior to disposal. The sediment (sludge) is pumped to tank #2 for

further processing.

Quantity:

1

Size:

20' long x 8' wide x 8' high

Materials of

Construction:

Carbon Steel

Capacity:

1700 gallons

- Name:

Recirculation Pumps

Description:

Centrifugal pumps which deliver clarified water from the settlement tank to the water calorifiers and thence to the high

speed centrifuges.

Quantity:

Size:

3" x 2"

Materials of

Construction:

Carbon Steel

Capacity:

54 qpm

Water Calorifiers

Description:

Hairpin tube and shell heat exchangers which are use to raise the temperatures of recycle water to from the settlement tank to 150 F prior to delivery to the high speed

centrifuges.

Quantity:

Size:

20 sq. ft.

Materials of

Construction:

Carbon Steel

Capacity:

27 qpm

- Name:

Intermediate Water Pumps

Description:

Centrifugal sump pumps which remove water from the collection tank, after discharge from the high-speed separators. and return it to the settlement tank for recycling.

Quantity:

Size:

3" x 2" x 6"

Materials of

Construction:

Carbon Steel

Capacity:

68 qpm

- Name:

Sludge Pump

Description:

A Moyno P.D. pump which periodically removes accumulated sludge from the settlement tank and delivers it to tank #2 for further processing.

Quantity:

Size:

6"

Materials of

Construction:

Cast Steel/Stainless Steel

Capacity:

50 gpm.

## **HEATING LOOP SYSTEM**

- Refer to Drawing G

For purposes of lowering viscosity to enable separation to occur more easily, extensive use of heat is used in many of the treatment processes. Heat is also provided in storage tanks to enable high viscosity materials to remain pumpable.

This heat is provided by steam from an on-site 150 H.P. steam raising boiler, fired by natural gas or #2 oil. All condensate is recovered and reused.

- a) A heating loop (Drawing G) which permits heating of process material up to 200 F is provided to heat material prior to treatment in the following systems:
  - i) The solid-bowl centrifuge
  - ii) The emulsion-breaking system
  - iii) The filtration/high speed centrifuge system.
- b) The Ultra Filtration System (Drawing C) feed is heated to as high as 140 F to enable higher rates of throughput to be achieved, and to maintain system cleanliness.
- c) The Filtration/High Speed Centrifuge System (Drawing F) has line heaters installed which allow heating to 200 F prior to high-speed centrifuging.
- d) The Oil/Water Separator System (Drawing 8) has heaters installed to prevent freezing in cold conditions.
- e) The Emulsion Breaking System (Drawing E) has heaters installed to prevent freezing in cold conditions.
- f) Various storage tanks have plate heaters installed which allow highly viscous materials to be stored, and remain pumpable. These tanks can be heated up to 150 F.

Settlement Tank

Description:

A V-bottom sectional tank where water from the high-speed centrifuges is recycled for further use. The sediment settles to the bottom of the tank, and any free oil plus water weirs from the top for further treatment prior to disposal. The sediment (sludge) is pumped to tank #2 for

further processing.

Quantity:

1

Size:

20' long x 8' wide x 8' high

Materials of -

Construction:

Carbon Steel

Capacity:

1700 gallons

- Name:

Recirculation Pumps

Description:

Centrifugal pumps which deliver clarified water from the settlement tank to the water calorifiers and thence to the highspeed centrifuges.

OF Sta

Quantity:

2

Size:

3" × 2"

Materials of

Construction:

Carbon Steel

Capacity:

Water Calorifiers

Description:

Hairpin tube and shell heat exchangers which are use to raise the temperatures of recycle water to from the settlement tank to 150 F

prior to delivery to the high speed

centrifuges.

Quantity:

Size:

20 sq. ft.

Materials of

Construction:

Carbon Steel

Capacity:

27 gpm

- Name:

Intermediate Water Pumps

Description:

Centrifugal sump pumps which remove water from the collection tank, after discharge from the high-speed separators. and return it to the settlement tank for

recycling.

Quantity:

2

Size:

3" x 2" x 6"

Materials of

Construction: Carbon Steel

Capacity:

68 qpm

- Name:

Sludge Pump

Description:

A Moyno P.D. pump which periodically removes accumulated sludge from the settlement tank and delivers it to tank #2 for further processing.

Quantity:

Size:

6"

Materials of

Construction: Cast Steel/Stainless Steel

Capacity:



## HEATING LOOP SYSTEM

- Refer to Drawing G

For purposes of lowering viscosity to enable separation to occur more easily, extensive use of heat is used in many of the treatment processes. Heat is also provided in storage tanks to enable high viscosity materials to remain pumpable.

This heat is provided by steam from an on-site 150 H.P. steam raising boiler, fired by natural gas or #2 oil. All condensate is recovered and reused.

- a) A heating loop (Drawing G) which permits heating of process material up to 200 F is provided to heat material prior to treatment in the following systems:
  - i) The solid-bowl centrifuge
  - ii) The emulsion-breaking system
  - iii) The filtration/high speed centrifuge system.
- b) The Ultra Filtration System (Drawing C) feed is heated to as high as 140 F to enable higher rates of throughput to be achieved, and to maintain system cleanliness.
- c) The Filtration/High Speed Centrifuge System (Drawing F) has line heaters installed which allow heating to 200 F prior to high-speed centrifuging.
- d) The Oil/Water Separator System (Drawing B) has heaters installed to prevent freezing in cold conditions.
- e) The Emulsion Breaking System (Drawing E) has heaters as installed to prevent freezing in cold conditions.
- f) Various storage tanks have plate heaters installed which allow highly viscous materials to be stored, and remain pumpable. These tanks can be heated up to 150 F.

Settlement Tank

Description:

A V-bottom sectional tank where water from the high-speed centrifuges is recycled for further use. The sediment settles to the bottom of the tank, and any free oil plus water weirs from the top for further treatment prior to disposal. The sediment (sludge) is pumped to tank #2 for

further processing.

Quantity:

1

Size:

20' long x 8' wide x 8' high

Materials of

Construction:

Carbon Steel

Capacity:

1700 gallons

- Name:

Recirculation Pumps

Description:

Centrifugal pumps which deliver clarified water from the settlement tank to the water calorifiers and thence to the high

speed centrifuges.

Quantity:

Size:

Materials of

Construction:

Carbon Steel

Capacity:

54 qpm

## Equipment List G:

- Name:

Spiral Heat Exchangers

Description:

These are used to pre-heat process liquid to as much as 200 F prior to treatment in:

- a) The solid bowl centrifuge system.
- b) The emulsion-breaking system.
- c) The filtration and high speed centrifuge system

The heat exchangers are of spiral plate, internal construction, heated by H.P.

steam (up to 100 psig). The condensate

is returned for reuse.

Quantity:

2

Size:

40 sq. ft.

Materials of

Construction:

Carbon Steel Shell/Stainless Steel Internals

Capacity:

100 gpm

- Name:

Flow Control Valve/Back Pressure Valve

Description:

This pair of control valves are of the pinch-valve type. As the operator opens the flow control valve, the back pressure valve closes, forcing process liquid to

the required treatment system. The valves are infinitely variable from

0% - 100% open.

Quantity:

1 Pair

Size:

3 "

Material of

Construction:

Cast Iron

Capacity:

Process Pumps

Description:

Mono MD70 pumps receiving process liquid from:

- a) Tanks A&B, 1-2 or
- b) Directly from an off-loading truck and delivering it to heat exchangers for pre-heating prior to treatment. Liquid is drawn off at a flow control valve after the heat exchangers, and the balance is recirculated to the process pumps.

Quantity:

2

Size:

70mm (3")

Material of

Construction:

Cast Iron/Stainless Steel

Capacity:

900x 3808 PAGE 548

October our Lord one thousand nine hundred and Eighty-One

Weiween CORNELL & COMPANY, INC., a corporation of the State of New Jersey, City of Woodbury, County of Gloucester, State of New Jersey

of the first part, and FLOWEN OILS DELAWARE VALLEY, INC., a corporation of the State of New Jersey, City of Camden, County of Camden, State of New Jersey ADDRESS: 312 FERRY OFFICE BLD7. 1800 DAVIS ST

CAMDEN, N.J.08104

of the second part;

Tittesseil, That the said party of the first part, for and in consideration of the sum of

FORTY THOUSAND DOLLARS.. .....(\$40,000.00)

lawful money of the United States of America,

well and truly paid by the said party of the second part to the said party of the first part, at and before the ensealing and delivery of these presents, the receipt whereof is hereby acknowledged they granted, bargained, sold, allened, enfeoffed, released, conveyed and confirmed and by these presents do grant, bargain, sell, alien, enfeoff, release, convey and confirm, unto the said party of the second part, Sec. 14.

ALL that land and premises located in the City of Camden, County of Camden, State of New Jersey, described as follows ..

BEGINNING at the intersection of the Easterly line of 18th Street with the Southerly line of Carman Street and extending;

- (1)along the Southerly line of Carmen Street, North 840-16 East, 400.00 feet to the Westerly line of 19th Street; thence
- along the Westerly line of 19th Street, South 50-44: East, 215.00 feet to the Northerly line of Mickle Street (not physically open); thence
- along the Northerly line of Mickle Street, South 840-16' West, 400 feet to the Easterly line of 19th Street; thence
- along the Easterly line of 19th Street, North 50-44; West, 215.00 feet to the place of beginning.

1.974 acres. BEING Tax Lot 1 Block 1431. CONTAINING

BEING the same land and premises that became vested in Cornell & Company, Inc., a corporation of the State of New Jersey, by deed dated 5-29-70, recorded 5-29-70 in deed book 3153, at page 355.



REMTECH ENVIRONMENTAL (NJ) LP (Formerly Flowen Oil Delaware Valley) NJD 980 536 577 1800 Carman Street Camden, NJ 08105 Tel: (609) 365-5544

FACILITY CLOSURE PLAN

AND

CLOSURE COST ESTIMATE

SECTION K-2

## TABLE OF CONTENTS

PARA NO.	ITILE				
CP-1	Purpose of Plan				
CP-2	Facility Description				
CP-2	a) Closure Circumstances				
	b) Non-Operational "Unclosed" Status				
CP-4	Maximum Waste Inventory				
CP-5 Calculation of Waste Inventories					
CP-6 Facility Close Down					
CP-7 Personnel Requirements					
CP-8 Equipment Requirements					
CP-9 Amendments to the Closure Plan					
CP-10	Reporting Procedures				
CP-11	Closure Certification				
CP-12	Closure Cost Estimates				

#### **ATTACHMENTS**

- 1. Waste Receiving and Tank Storage System (See Sect. F. Drawing A)
- Process Flow Schematic (See Sect. F, Drawing H)
- 3. Sampling Methodologies (see Sec E, Exhibit F)
- 4. Sample Preservation and Chain of Custody (See Sect. E, Exhibit F)
- 5. Closure Certificate
- 6. Estimate for Cleaning and Decontamination

## CP-1 PURPOSE OF PLAN

The purpose of this plan is to comply with New Jersey Hazardous Waste Regulations, specifically NJAC 7:26 - 9.8 et. seq. It is also to ensure that following the closure of the facility, no long or short term risks will exist which may cause harm or damage to:

- a) future facility operators or their staff
- b) local residents and business
- c) groundwater or soil
- d) air quality

The facility closure plan is designed, in an orderly and methodical manner, to ensure that compliance with N.J.A.C. 7:26-9.8 et seq. is achieved, and to eliminate any risks as described above.

The plan has throughout a number of points at which its progress can be monitored and a reporting procedure which will control the closure schedule.

An amendment procedure is included in the plan, which is designed to accommodate any facility changes in capacity treatment capabilities. This eventually will require an update the plan to account for these changes.



Included in the plan is a certification procedure will be carried out by an independent registered professional engineer. After ensuring that closure has been carried out in accordance with the plan, the engineer will certify to this fact.

#### CP-2 FACILITY DESCRIPTION

The hazardous waste storage and treatment facility at all times referred to in this plan is owned by:

LOCATION:

Remtech Environmental (NJ) LP

1800 Carman Street

Camden, New Jersey 08105

TEL. No.

(609) 365-5544

FACILITY CONTACT:

Archie A. Ross



The facility is engaged in the evaluation, storage, treatment and final disposal of oily waste and used oil waste streams for a wide variety of generators both in and out of state. The stages of this process may be categorized as follows:

- Initial evaluation of individual waste streams.
- Evaluation of waste streams prior to acceptance.
- Acceptance and storage of these waste.
- o Evaluation of treatment capabilities for individual and blended wastes.
- o Treatment of the wastes using blending, chemical demulsification, heating, filtration and centrifuging.
- o Storage and final disposal of filter sludges, centrifuge sludges, and oil product.

The facility consists of: (refer to Part B application, Section F, Drawing A)

- o Two waste storage areas containing seventeen 15,000 gallon vertical above ground storage tanks and four 25,000 gallon vertical above ground storage tanks.
- A process plant building containing steam-heated line heaters, filtering equipment, centrifuges, transfer pumps, and associated pipework and control equipment.

The process building also contains a personnel eating room, and personnel changing and washing areas.

- o Product storage area containing four 25,000 gallon vertical above ground carbon steel boiler fuel tank.
- o A boiler house containing a 150 HP steam raising boiler, operating pressure 100 psig, and air compressor, operating pressure 100 psig.
- o A laboratory building containing analytical equipment, and sample storage of wastes and product.
- o Four underground oil/water interceptor tanks through which all water leaving the facility, with the exception of sanitary water must pass before flowing to the Camden Sewer System.
- o An office building



The operational portion of the treatment facility is fully concreted. All water leaving the facility passes to the City of Camden Sewer System, and thence to the Camden County Municipal Utilities Authority Treatment Works.

# CP-3a CLOSURE CIRCUMSTANCES

The life of the treatment facility is indefinite. Only short-term storage of wastes and treatment by-products occurs at the facility before final disposal elsewhere. Subject only therefore to normal life expectancy of equipment and structures, the plant may be operationally effective for an unspecified time period.

Plant closure is therefore likely to occur under one of the following circumstances:

- o Sale of the facility and operation for purposes other than the treatment of hazardous wastes.
- o Demolition of the facility, and use of the land for othe purposes.
- o Financial inability of the owners to continue operations pending the sale of the facility for purposes other than hazardous waste treatment.

Under any of the above circumstances, the closure operations will remain identical.

# CP-3b NON-OPERATIONAL "UNCLOSED" STATUS

Under certain circumstances, the facility may cease operations temporarily. This "unclosed" status may occur under the following circumstances:

- o Market conditions dictate that the operation is temporarily financially inviable.
- o Temporary closure pending sale of the facility to another operator who will use the facility for hazardous waste treatment.
- o Financial inability of the owners to continue operation pending the sale of facility for use as a hazardous treatment facility.

Under any of the above circumstances, the facility would not follow the closure procedures detailed in this plan, but would be placed on a care and maintenance basis.

This would involve the following:

- o No wastes would be received at the facility.
- o No operations would be carried out at the facility.
- o Compliance with legal requirements would be ensured by remaining staff in the areas of insurance, security, housekeeping and any other reasonable requirements of the New Jersey Department of Environmental Protection.

#### CP-4 MAXIMUM WASTE INVENTORIES

In order to estimate the scale of disposal required, it is necessary to assume a maximum volume of waste in each storage vessel at the time of closure. The wastes will be contained in a number of areas of the facility as follows:

- 4a) WASTE STORAGE AREA (SEE DRAWING, ATTACHMENT #2)
- i) Eight 15,000 gallon tanks (Tank # 's 3-6, 10, 12, A, B) may be filled with oil wastes (NJ X-codes, non-RCRA hazardous). These tanks may also contain amounts of accumulated sludges.
- ii) Six 15,000 gallon tanks (C1, C2, C3, 7, 9, 11) may be filled with waste water.
- iii) One 15,000 gallon tank (#2) may be filled with accumulated centrifuge sludge.
- iv) Two 15,000 gallon tanks (possibly 1, 3-6, or 8) may contain RCRA hazardous waste oils (K048-K051, D001).
- v) Four 15,000 gallon tanks (P1, P2, P3, P4) may contain oil wastes and accumulated sludges (NJ X-codes).
- 4b) <u>PROCESS PLANT</u> (SEE DRAWING H. in Section F of Part B Application)

The treatment plant break boxes, water recirculation system and associated pumps and pipework may contain small amounts of waste materials.

# 4c) <u>LABORATORY</u>

The laboratory may contain samples of waste which have been accumulated for analytical purposes.

# 4d) OIL/WATER SEPARATORS

The underground oil/water separators and associated trenches may contain small amounts of accumulated sludges.

## 4e) PROCESS SOLIDS

Filter sludges are accumulated in drum roll-off containers and/or permitted dump trailers, before final disposal. The maximum permitted volume is 50 cubic yards.

# 4f) RINSE WATERS

During clean-up operation (Paragraph CP-7) contaminated waste water will be produced from the cleaning and flushing operations. This water will require transportation to and treatment by a wastewater treatment facility.

The accumulated wastes for disposal may be categorized as shown in the following table.

CD /	TARIF 1	CLACCTETCATION OF HACTE TYPES

					•	
	WASTE OIL	NON-FLOWING SLUDGES & SOLIDS	PUMPABLE Sludges	WASTE WATER	RCRA HAZARDOU LIQ. SO	
WASTE STORAGE	AREA X		. X	×	X	
PROCESS PLANT	x			×		
LABORATORY	×					
OIL/WATER SEPA	RATORS		X			
PROCESS SOLIDS		×	· · · · · ·			X
RINSE WATER				×		

# CP-5 CALCULATION OF WASTE INVENTORIES

The following calculations are designed to show the <u>maximum</u> possible volume of wastes under each of the categories listed in paragraph CP-5. The likelihood of there being this amount of material in storage at any time is remote, but for purposes of estimating the maximum inventories exist.

Each of the categories is listed separately:

## 5a) WASTE STORAGE AREA

## i) WASTE OIL .

- 8 tanks  $\times$  15,000 gals.(non-RCRA hazardous)= 120,000 gals.
- 4 tanks  $\times$  25,000 qals. (non-RCRA hazardous) = 100,000 qals.
- 2 tanks x 15,000 gals. (RCRA hazardous) = 30,000 gals.

## ii) <u>SLUDGES</u>

Because of the position of the bottom draw-off point in waste storage tanks, and from experience, it is known that each waste storage tank will contain not more than 300 gallons of sludges.

- 18 tanks x 300 qals.(non-RCRA hazardous)= 5,400 gals.
  - 2 tanks  $\times$  300 gals.(RCRA hazardous) = 600 gals.

# iii) WASTE WATER

6 tanks x 15,000 gals.

=90,000 gals

#### iv) <u>CENTRIFUGE SLUDGES</u>

1 tank x 15,000 gals.

=15,000 qals.

# 5b) PROCESS PLANT

# i) WASTE OIL

Small amounts will exist in lines and break-tanks, estimated at no more than = 1,000 gals.

# ii) WASTF WATER

The plant water circulation system and storage tank will contain no more than = 2,000 gals.

The laboratory will contain samples of incoming waste, and product oil. Disposal of this material takes place on a monthly basis presently, therefore no more than 3 months samples would exist at one time. This material may be removed with removable oil. The number 1 pint samples is related directly to the number of shipments received, and shipped out. At an assumed production rate of 25 million gallons per annum, the calculation of number of the samples is shown. Average shipment size of incoming waste is 5.000 gallons, and the outgoing shipments are made in 7,000 gallon loads.

Annual shipments in of waste 25,000,000 gals. = 5,000

Therefore shipments made in 3 months  $\frac{5,000}{4}$  = 1250

Assume 35% removal of water/sludge from incoming waste material. therefore product available for outgoing shipment is:

 $25.000.000 \times 0.65 = 16.250.000$  qals.

In 7,000 gal. shipments, number of shipments in three months is:

 $\frac{16,250,000}{7.000 \times 4} = 580$ 

Maximum sample volume existing at any one time:

 $(1250 + 580) \times 1 \text{ pint}$  =  $\frac{1830 \text{ pints}}{230 \text{ gals}}$ 

# 5d) OIL/WATER SEPARATORS

The oil water separators and associated trench drains may contain small amounts of accumulated sludges.

# i) <u>OIL/WATER SEPARATORS</u>

These may contain flowing sludges, from the position of the discharge point and from knowledge of the system it is known that each will contain not more than 100 gals. of sludge.

#### ii) TRENCHES

The associated trenches in the facility, both outside areas and in the treatment plant measure in total of 325 ft. These trenches are 6 inches wide. A maximum amount of sludge in these trenches would be 1 inch. The total accumulation f disposal would therefore be:

452 disposal would t

325 ft x 1/2 ft x 1/12 ft = 13.6 cu ft or 102 gals.

# 5e) PROCESS SOLIDS AND SAND BLASTING GRIT

Non-flowing filter sludges are accumulated in 55 gal. drums, roll-off containers and/or permitted dump trailers, for disposal at secure landfills. The maximum volume of materials anticipated to accumulate at any one time is the equivalent of two 25 cu yard roll-off container. A further assumption has been made to identify 1/2 of this maximum volume as resulting from the processing of RCRA hazardous waste. Therefore:

Non-RCRA hazardous solids RCRA hazardous solids 25 cu yards 25 cu yards

In order to accommodate the possibility of decontamination of the tank dike areas and process house area via sandblasting, we have included the generation of approximately 3 cu yards of sandblasting grit that may require disposal as a contaminated material.

Total volume of sandblasting grit = 3 cu yards

#### 5f) RINSE WATERS

Rinse water used for the cleaning and flushing operations described in paragraph CP-6 will require disposal through a waste water treatment facility. The total amount of this material could be as follows:

Rinse waters from process house (see CP6-5) 2,000 gals. 17  $\times$  15,000 gals. waste storage tanks 0 1,500 gals. each = 25,500 gals. 4  $\times$  25,000 gals. waste storage tanks

@ 2,500 gals. each = 10,000 gals.

5 underground oil/water interceptors @ 100 gals. = 500 gals.

@ 100 gals. = 100 gals. = 100 gals.

TOTAL = 38,100 gals.

188

The total wastes under each of the categories above can now be tabulated, and volumes given for each type of waste for disposal as follows:

### TABLE 2

# WASTE TYPES BY CATEGORY

WASTE OIL GALLONS

NON-FLOWING SLUDGES &

PUMPABLE SLUDGES

WASTE RINSE WATER WATER

SANDBLASTING GALLONS

WASTE STORAGE AREA

220.000 30,000\* 20.400

600\*

PROCESS PLANT

1,000

2,000

90,000

LABORATORY

230

OIL/WATER SEPARATORS

602

\* PROCESS SOLIDS & SANDBLASTING GRIT

28 CU YARDS 25 CU YARDS

RINSE WATERS

38,100

GRAND TOTALS	251,036	53 CU YARDS 20,402gals 92,000 38,100
TOTAL NON-HAZ.	221,036	28 CU YARDS
* TOTAL RCRA-HAZ.	30.000	25 CU YARDS

Denotes RCRA hazardous waste material

### CP-6 FACILITY CLOSE-DOWN

At least 180 days before the date of planned close-down, Flowen shall notify N.J.D.E.P. of the proposed date on which closedown operations will commence.

The close down operations will be carried out in staged "milestones", and the supervisor of operations, to be designated, will ensure that each stage is carried out according to plan.

The supervisor of operations will be N.J. registered Professional Engineer who will be required to certify that each operational "milestone" has been reached, within the time period specified, and that each stage of the operation has been carried out efficiently and to standards commensurate with such a cleanu operation as this.

After removal of all bulk materials, the clean up portion of the operation will be completed, followed by inspection, sampling and analyses to carried out by N.J. Certified Laboratory, to ensure that the clean-up is complete.

The stages of close-down will be as follows:

### STAGE 1

The acceptance of wastes at the treatment facility will be stopped. If conditions permit (i.e. staff still remain on payroll, regulatory requirements are being met) all wastes in inventory will be treated to reduce the potential liability for costs incurred in the later stages of the Closure Plan.

## STAGE 2 TIME 5 WORKING DAYS

Remove all bulk product from storage.

- a) Waste oil will be sent to other appropriate, fully permitted TSDF for reclamation or treatment. (Tank # 's 1, 3-6, 8, 10, 12, A, B, possibly P1-P4)
- b) Waste water will be sent to a water treatment facility. (Tank # 's C1, C2, C3, 7 and 9)
- c) Product oil will be delivered to users, or sent to other processors for distribution (Tank #'s P1-P6)
- d) Bulk sludge will be transported to a secure landfill for disposal. This stage will involve removal of all liquids laboratory samples. The samples will be placed into storage with waste oil.

# STAGE 3 TIME 6 WORKING DAYS

- a) Removal residual sludges from waste oil storage tanks; and place in tank 2 prior to disposal (Tank # 1-12).
- b) High pressure hot water wash down each waste storage to remove residual oil and sludge.
- c) Remove wash waters to water treatment plant for processing and final disposal.

# STAGE 4 TIME 1 DAY

- a) Remove residual sludges from waste water (# 's C1, C2, C3, 7 and 9) and place in tank #2 prior to disposal.
- b) High pressure hot-water wash down each of the above tanks to remove residual oil and sludge.
- c) Remove wash waters to water treatment plant for processing and final disposal.

# STAGE 5 TIME 1 DAY

To decontaminate plant pipe-work and remove residual oil and sludges:

- a) Set-up 1,000 gallons of water and detergent in pre-production tank A.
- b) Run this material through the process plant and recycle from product oil tanks back to pre-production tank A.
- c) Through monitoring of oil content, recirculate this mixture until the oil content stops rising.
- d) Place 1,000 gallons of clean water in the pre-production tank B and recirculate this material as in sub-paragraph (b) above at least three.
- e) Analyze the material in pre-production tank B. If the water contains more than 1% oil, repeat the process described in paragraph (d) above until the oil content is below 1%.
- f) Remove wash waters from tanks A & B to a water treatment facility for processing and final disposal.

· 23

# STAGE 6 TIME 4 DAYS

This stage involves cleaning and decontamination of the plant drain and underground oil/water separators.

- a) Remove bulk sludges from all trench drains and place in tank #2 prior to disposal.
- b) High pressure hot-water wash down all trench drains and allow residue to flow into the underground oil/water separators.
- c) Remove bulk water/oil from the underground oil/water separators and remove to a water treatment facility for processing and final disposal.
- d) Remove bulk sludges from underground oil/water separators and place in tank #2 prior to disposal.
- e) High pressure hot-water wash down each of the five underground oil/water separators.
- f) Remove the wash water from the separators to a waste water treatment facility for treatment and final disposal.

### STAGE 7 1 DAY

- a) Remove sludges previously placed in tank #2 in Stages 3a), 4a). 6a). Transport to a secure landfill for final disposal.
- b) Hot-water high-pressure wash down tank #2 and remove wash waters to a water treatment facility for treatment and final disposal.

### STAGE 8 TIME ONE MONTH

This stage involves quality assurance that clean-up operations have been carried out successfully and that no residual contamination exists.

Should visual inspection of the tank dike areas (secondary containment) and the process house reveal oil stains after the high pressure water wash, a sandblasting contractor will be retained to remove these stains. An estimated 3 cu yards of used sandblasting grit has been included in the waste disposal cost estimate. Each of he sections involved in the clean-up will be examined, samples will be taken for analyses. A New Jersey Certified Laboratory will be contracted to carry out the required procedures.

- a) Each of the sections involved in the clean-up will be examined visually for any residual oil or sludge remaining. Any residue will be removed.
- b) Wipe samples will be taken from each of the tanks, trenches and separators involved in the clean-up (See Attachment 3).
- c) Using correct Sample Preservation and Chain of Custody techniques, the samples will be transported to the N.J. Certified Laboratory, where the required analytical work will be carried out. (See Attachment 4).
- d) Analytical procedures as follows will be carried out on each of the samples:

PCB'S REACTIVITY CORROSIVELY FLASH-POINT

TOTAL PETROLEUM HYDROCARBONS EP TOXICITY (METALS)

Should any of the analyses show that total cleanup has not occurred in any of the areas, further work and analyses will be carried out until all residual hazardous materials have been removed.

TABLE 3	CLOSURE TIME PERIODS	
STAGE 1	Cease acceptance of wastes	Immediate
STAGE 2	Remove bulk product from storage	5 working days
STAGE 3	Cleaning of waste storage tanks	6 working days
STAGE 4	Cleaning of waste water tanks	1 working day
STAGE 5	Decontaminate plant	1 working day
STAGE 6	Decontaminate plant and oil/water separators	4 working days
STAGE 7	Remove bulk material and clean tank #2	1 working day
STAGE 8	Quality control, analyses and sandblasting (if required)	28 working days
TOTAL	•	46 working days

# CP-7 PERSONNEL REQUIREMENTS

In order to ensure that the closure operation is successfully concluded, it is necessary to ensure that sufficient personnel are available to carry out the required procedures.

1) A licensed Professional Engineer who will act as supervisor of the closure procedures, will be contracted to ensure that each stage detailed above in paragraph CP-6 is efficiently completed. He will be required to be on site during stages 2 through 7, and also during the sampling required during stage 8.

Finally he will be required to review the sample analyses in order then to be able to certify that the closure has been carried out successfully.

- 2) A contractor will be employed to carry out the clean-up involved in stages 2 through 8. The contractor will provide a team of people experienced in clean-up operations.
- 3) Stage 5 will involve the temporary hiring of one person experienced in the operation of the Camden plant. This person will be required to operate the plant for up to one working day to carry out the flushing operation.
- 4) Stage 8 will involve laboratory personnel experienced in sampling, chain of custody, and EPA approved analytical methodologies. Should the removal of visible oil stains be required a sandblasting contractor will be utilized during this stage.
- Transportation personnel will be required for the removal of all materials from the facility. The only personnel who will be hired directly will be a licensed Professional Engineer, and an experienced Plant Operator. All other personnel will be provided by Contractors involved in the clean-up, in sampling and analyses, or in transportation.

# CP-8 EQUIPMENT REQUIREMENTS

All equipment requirements will be provided by the Contractors involved in the closure operations.

- a) Transport facilities will be provided by contractors involved in the closure operations.
- b) The clean-up contractor will provide necessary equipment in the form of high-pressure wash equipment and vacuum tanker trucks, and sandblasting equipment if necessary.
- c) The N.J. Certified Laboratory employed to carry out sampling and analytical work will provide all necessary sampling equipment and provide laboratory facilities for analytical procedures as necessary.

### CP-9 AMENDMENTS TO CLOSURE PLAN

Circumstances may occur which will require amendments to this Closure Plan. If in the future any design changes in treatment activities, or changes in storage capacity occur, this plan will be amended to take account of these changes. The revised plan will be submitted to N.J.D.E.P. for approval within 60 days of any changes taking place.

### CP-10 REPORTING PROCEDURES

The closure supervising Engineer (See Paragraph CP-7) will report any time delays in the implementation of the plan to N.J.D.E.P. He will keep a daily log of facility activities during the active portion (Stages 1 through 7 and the sampling requirements of Stage 8) of the Closure Operation. He will submit a copy of this log to N.J.D.E.P. with the facility closure Certificate (See Paragraph CP-11).

### CP-11 CLOSURE CERTIFICATION (See Attachment #5)

After Closure has been completed, the Closure Supervising Engineer, and the owner or his representative (who must be at least Vice-President status) will complete, sign and seal the Closure Certificate shown as Attachment #7. This will attest to the fact that the closure has been completed according to this plan, and that no residual hazardous waste remain in the facility.

Attached to this Certificate will be:

- a) A copy of supervising engineer's daily log.
  - b) A copy of the analytical results as detailed in paragrap
     6. Stage 8.

These documents will be submitted to N.J.D.E.P. within 30 days of completion of the Closure Plan.



### CP-12 CLOSURE COST ESTIMATES

The following represents current costs of carrying out the work detailed in this plan. The estimated costs are divided into categories, they are:

- a) Disposal and Transportation Costs
- b) Contractors Costs

\* \* \*

c) Sampling and Analysis Costs

### A) DISPOSAL AND TRANSPORTATION COSTS

- Transportation and disposal of 221,036
  gallons of non-RCRA hazardous waste
  oil @ \$.18 per gallon = \$ 39,786.00
- Transportation and disposal of 30,000
  gallons of RCRA hazardous waste oil
  @ \$.36 per gallon = \$ 10,800.00
- Transportation and disposal of 28 cu yards of non-RCRA hazardous process solids and sandblasting grit @ \$220.00 per cu yard
  = \$ 6,160.00
- 4) Transportation and disposal of 25 cu
  yards of RCRA hazardous process solids
  @ \$320.00 per cu yard = \$ 8,000.00
- 5) Transportation and disposal of 20,402 gallons of pumpable sludges @ \$1.00 per gallon = \$20,402.00
- 6) Transportation and disposal of 92,000 gallons of waste water @ \$.18 per gallon = \$ 16,560.00
- 7) Transportation and disposal of 38,100 gallons of rinse water @ \$.18 per gallon = \$ 6,858.00

Transportation and Disposal Sub-Total = \$108,560.00

. whit

### b) CONTRACTOR COSTS'

i) Costs of contractors to carry out cleaning and decontamination work (per Attachment 6). An additional \$3,000.00 has been included to account for the possibility of hiring a sandblasting contractor (6 days @ \$500/day) as per CP-7 item 4. (1987 costs + 15%)

= \$33,360.00

- ii) Cost of supervision by N.J. licensed Professional Engineer - 16 days @ \$350.00/day. = \$ 5,600.00
- iii) Costs of process operator for 1 day (8 hrs.) to operate Remtech Plant for clean out and decontamination (per N.J. Department of Labor Prevailing Wage Rate \$14.75/hr # \$3.00/hr hazardous waste premium + 30% wage overhead). = 3

# CONTRACTOR SUB-TOTAL

= \$39,145.00

185.00

### c) SAMPLING AND ANALYSIS COSTS

Costs of employing N.J. Certified laboratory to:

- i) Visually inspect all tanks, trenches, separators and plant for cleanliness.
- ii) Wipe test all areas as specified in Attachment #3.
- iii) Sample tank trucks of waste oil, sludges . waste water and rinse water prior to their leaving the facility.
- iv) Transport samples to lab for analyses.
- Carry out analytical procedures as specified in accordance with EPA SW846 or equivalent.
- vi) Provide a report on all of the above. =\$ 7,200.00

# e) SUMMARY OF COSTS

TRANSPORTATION AND DISPOSAL COSTS	\$108,566.00
CONTRACTOR COSTS	\$ 39,145.00
SAMPLING AND ANALYSIS COSTS	\$ 7,200.00
TOTAL COSTS	\$154,911.00
CONTINGENCY COST (20%)	\$ 39,982.00
ADMINISTRATIVE COSTS (10%)	\$ -15,491.00
TOTAL FSTIMATED CLOSURE COST	\$210,384.00

# Remtech Environmental (NJ) LP 1800 Carman Street Camden, N.J. 08105 Phone: (609) 365-5544

This document certifies that the Remtech Environmental Closure Plan dated April 1989 has been completed according to the terms of the plan.

Signed:	Date:	
Seal:		
For Remtech Environmental (NJ)	LP.,	
Signed:	Date:	
Position:		
Attachments:		

Supervising Engineers Daily Log Analytical Results

802



# Mid-Atlantic Refinery Services, Inc.

2301 PENNSYLVANIA AVENUE • DEPTFORD, NEW JERSEY 08096 • (609) 589-5000

MAY 20 1984

May 19, 1987

Flowen Oil 1800 Carman Street Camden, NJ 08105

Attention: Archie Ross

Dear Mr. Ross:

As you requested, I have prepared estimated costs for the manpower, equipment, and materials to clean the four (4) areas of your facility. They are as follows:

1.	Waste Storage Tanks	6 days	\$13,200.00
2.	Water/Sludge Storage Tanks	2 days	4,400.00
3.	Plant	2 days	4,400.00
4.	Underground Oil/Water Intercepters	2 days	4,400.00

As we discussed, these are estimates based on assumptions about the consistency and quantity of wastes. Additionally, these costs are based on our current Time & Materials Rates (copy attached). Should our rates change these figures will need to be adjusted accordingly. Transportation and disposal costs are not included.

Thank you for calling on Mid-Atlantic. Please contact me at your convenience should you have any questions.

Sincerely,

Christopher L. Gregory

Operations Manager

CLG/1t

Enclosures

In accordance with Section 16 of this Trust Agreement dated August 16, 1984, between the Grantor (Flowen Oil Delaware Valley, Inc.), the Trustee (Horizon Trust Company and the New Jersey DEP, the parties to that Agreement agree to the following amendment.

Second sentence of Section 14 on Page 7 of Flowen's Trust Agreement shall read

"The trustee shall be fully protected in acting without inquiry in accordance with the Grantor's order, requests and instructions."

The Third sentence will begin
"All orders, requests and instructions by the NJDEP to the Trustee
shall be in writing, signed by the NJDEP Commissioner....."

Trust Agreement, Section 19 - Choice of Law
"This Agreement shall be administered, construed and enforced according to the laws of the State of New Jersey."

'EAJ.   . *	James N. Turpin, Secretary Treasurer  Date	ATTEST:  Say Smith  Hazel Smith
EAL	HORIZON TRUST COMPANY (TRUSTEE)  Anius Inches  I. Harris Tucker I. HARRIS TUCKER  VICE PRESIDENT  VICE PRESIDENT	ATTEST: Jurille Lain
	NEW JERSEY DEPT. OF ENVIRONMENTAL PROTECTION  //// Date	ATTEST:

### Trust Agreement

Trust Agreement, the "Agreement," entered into as of Quegle, 1984 by and between Flowen Oil Delaware Valley Inc., a Novel Jersey "corporation", the "Grantor," and Horizon Trust Company, National Association, a national banking association with a Trust office at Broadway and Market Streets, Camden, NJ, the Trustee.

Whereas, the New Jersey Department of Environmental Protection, "NJDEP", an agency of the State of New Jersey has established certain regulations applicable to the Grantor, requiring that owner or operator of a hazardous waste management facility shall provide assurance that funds will be available when needed for closure and/or post-closure care of the facility.

Whereas, the Grantor has elected to establish a trust to provide all or part of such financial assurance for the facilities identified herein.

Whereas, the Grantor, acting through its duly authorized officers, has selected the Trustee to be the trustee under this agreement, and the Trustee is willing to act as trustee.

Now, Therefore, the Grantor and the Trustee agree as follows:

Section1. Definitions, As used in this Agreement:

- (a) The term "Grantor" means the owner or operator who enters into this Agreement and any successors or assigns of the Grantor.
- (b) The term "Trustee" means the Trustee who enters into this. Agreement and any successor Trustee.

Section 2. Identification of Facilities and Cost Estimates.

This Agreement pertains to the facilities and cost estimates identified on attached Schedule A.

Section 3. Establishment of Fund. The Grantor and the Trustee hereby establish trust fund, the "Fund," for the benefit of The Grantor and the Trustee intend that no third party have access to the Fund except as herein provided. The Fund is established initially as consisting of the property, which is acceptable to the Trustee, described in Schedule B, attached hereto. Such property and any other property subsequently transferred to the Trustee is referred to as the Fund, together with all earnings and profits thereon, less any payments or distributions made by the Trustee pursuant to this Agreement. The Fund shall be held by the Trustee, IN TRUST, as hereinafter provided. The Trustee shall not be responsible nor shall it undertake any responsibility for the amount or adequancy of, nor any duty to collect from the Grantor, any payments necessary to discharge any liabilities of the Grantor established by the NJDEP.

Section 4. Payment for Closure and Post Closure Care. The Trustee shall make payment from the Fund as the NJDEP Commissioner shall direct, in writing, to provide for the payment of the costs of closure and/or post-closure care of the facilities covered by this Agreement. The Trustee shall reimburse the Grantor or other persons, as specified, by the amounts as the NJDEP shall direct in writing. In addition, the Trustee shall refund to the Grantor such amounts, as the NJDEP specifies in writing. Upon refund, such funds shall no longer constitute part of the fund, as defined herein.



Section 5. Payments Comprising the Fund. Payments made to the Trustee for the Fund shall consist of cash or securities acceptable to the Trustee.

Section 6. Trustee Management. The Trustee shall invest and reinvest the principal and income of the Fund and keep the Fund invested as a single fund, without distinction between principal and income, in accordance with general investment policies and guidelines which the Grantor may communicate in writing to the Trustee from time to time, subject, however, to the provisions In investing, reinvesting, exchanging, selling of this Section. and managing the Fund, the Trustee shall discharge his duties with respect to the Trust fund solely in the interest of the beneficiary and with the care, skill, prudence and diligence under the circumstances then prevailing which persons of prudence and diligence under the circumstances then prevailing which persons of prudence, acting in a like capacity and familiar with such matters, would use in the conduct of an enterprise of a like character and with like aim; except that:

- (i) Securities or other obligations of the Grantor, or any other owner or operator of the facilities or any of their affiliates, as defined in the Investment Company Act of 1940, as amended, 15 U.S.C. 80a-2(a), shall not be acquired or held, unless they are securities or other obligations of the Federal or a State government;
- (ii) The Trustee is authorized to invest the Fund in time or demand desposits of the Trustee, to the extent insured by an agency of the Federal or State government; and

(iii) The Trustee is authorized to hold cash awaiting investment or distribution uninvested for a reasonable time and without liability for the payment of interest thereon.

Section 7. Commingling and Investment. The Trustee is expressly authorized in its discretion:

- (a) To transfer from time to time any or all of the assests of the Fund to any common, commingled or collective trust fund created by the Trustee in which the Fund is eligible to participate, subject to all of the provisions thereof, to be commingled with the assests of other trusts participating therein; and
- (b) To purchase shares in any investment company registered under the Investment Company Act of 1940, 15 U.S.C. 80a-1 et seg., including one which may be created, managed, underwritten, or to which investment advice is rendered or the shar of which are sold by the Trustee. The Trustee may vote such shares in its discretion.
- Section 8. Express Powers of Trustee. Without in any way limiting the powers and discretions conferred upon the Trustee by the other provisions of this Agreement or by law, the Trustee is expressly authorized and empowered:
- (a) To sell, exchange, convey, transfer or otherwise dispose of any property held by it, by public or private sale. No person dealing with the Trustee shall be bound to see to the application of the purchase money or to inquire into the validity or expedience of any such sale or other disposition;

- (b) To make, execute, acknowledge and deliver any and all documents of transfer and conveyance and any and all other instruments that may be necessary or appropriate to carry out the powers herein granted;
- (c) To register any securities held in the Fund in its own name, or in the name of a nominee and to hold any security in bearer form or in book entry, or to combine certificates representing such securities with certificates of the same issue held by the Trustee in other fiduciary capabilities, or to deposit or arrange for the deposit of such securities in a qualified central depository even though, when so desposited such securities may be merged and held in bulk in the name of the nominee of such depository with other securities deposited therein by another person, or to deposit or arrange for the deposit of any securities issued by the United States Government or any agency or instrumentality thereof, with a Federal Reserve bank, but the books and records of the Trustee shall at all times show that all securities are part of the Fund;
- (d) To deposit any cash in the Fund in interest-bearing accounts maintained or savings certificates issued by the Trustee, in its separate corporate capacity, or in any other banking institution affiliated with the Trustee, to the extent insured by an agency of the Federal or State government; and
- (e) To compromise or otherwise adjust all claims in favor of or against the Fund.

Section 9. Taxes and Expenses. All taxes of any kind that may be assessed or levied against or in respect of the Fund and

all brokerage commissions incurred by the Fund shall be paid from the Fund. All other expenses incurred by the Trustee in connection with administration of this Trust, including fees for legal services rendered to the Trustee, the compensation of the Trustee to the extent not paid directly by the Grantor and all other proper charges and disbursements of the Trustee shall be paid from the Fund.

Section 10. Annual Valuation. The Trustee shall annually, at least 30 days prior to the anniversary date of establishment of the Fund, furnish to the Grantor and to the NJDEP a statement confirming the value of the Trust. Any securities in the Fund shall be valued at market value as of no more than 60 days prior to the anniversary date of establishment of the Fund. The failure of the Grantor to object in writing to the Trustee within 90 days after the statement has been furnished to the Grantor and the NJDEP shall constitute a conclusively binding assent by the Grantor, barring the Grantor from asserting any claim or liability against the Trustee with respect to matters disclosed in the statement.

Section 11. Advice of Counsel. The Trustee may from time to time consult with counsel, who may be counsel to the Grantor, with respect to any questions arising as to the construction of this Agreement of any action to be taken hereunder. The Trustee shall be fully protected, to the extent permitted by law, in acting upon the advice of counsel.

Section 12. Trustee Compensation. The Trustee shall be entitled to reasonable compensation for its services, as agreed upon in writing from time to time with the Grantor.



Section 13. Successor Trustee. The Trustee may resign or the Grantor may replace the Trustee, but such resignation or replacement shall not be effective until the Grantor has appointed a successor trustee and this successor accepts the appointment. The successor trustee shall have the same powers and duties as those conferred upon the Trustee hereunder. Upon the successor trustee's acceptance of the appointment, the Trustee shall assign, transfer and pay over to the successors the funds and properties then constituting the Fund. If for any reason, the Grantor cannot or does not act in the event of the resignation of the Trustee, the Trustee may apply to a court of competant jurisdiction for the appointment of a successor trustee or for instructions. The successor trustee shall specify the date on which it assumes administration of the trust in a writing sent to the Grantor, the NJDEP and the present Trustee by certified mail 10 days before such change become effective. Any expenses incurred by the Trustee as a result of any of the acts contemplated by this Section shall be paid as provided in Section 9.

Section 14. Instructions to the Trustee. All order, requests and instructions by the Grantor to the Trustee shall be in writing, signed by such persons as are designated in the attached Exhibit A. The Trustee shall be fully protected in acting without inquiry in accordance with the Grantor's orders, requests and instructions by the NJDEP to the Trustee shall be in writing, signed by the NJDEP Commissioner or his/her designee and the Trustee shall act and shall be fully protected in acting in accordance with such orders, requests and instructions. The Trustee shall have the right to assume, in the absence of written notice to the contrary, that no event constituting a change or a termination of the authority of any person to act

r. Bally

on behalf of the Grantor or NJDEP hereunder has occurred. The Trustee shall have no duty to act in the absence of such orders, requests and instructions from the Grantor and/or NJDEP, except as provided for herein.

Section 15. Notice of Nonpayment. The Trustee shall notify the Grantor and the NJDEP by certified mail within 10 days following the expiration of the 30 day period after the anniversary of the establishment of the Trust, if no payment is received from the Grantor during that period. After the pay-in period is completed, the Trustee shall not be required to send a notice of nonpayment.

Section 16. Amendment of Agreement. This Agreement may be amended by an instrument in writing executed by the Grantor, the Trustee and the NJDEP or by the Trustee and the NJDEP or by the Trustee and the NJDEP if the Grantor ceases to exist.

Section 17. Irrevocability and Termination. Subject to the right of the parties to amend this Agreement, as provided in Section 16, this Trust shall be irrevocable and shall continue until terminated at the written agreement of the Grantor, the Trustee and the NJDEP or of the Trustee and the NJDEP, if the Grantor ceases to exist. Upon termination of the Trust, all remaining trust property, less final trust administration expenses shall be delivered to the Grantor.

Section 18. Immunity and Indemnification. The Trustee shall not incur personal liability of any nature in connection with any act of omission, made in good faith, in the administration of this Trust or in carrying out any directions by the Grantor or the NJDEP issued in accordance with this Agreement. The Turstee shall be indemnified and saved harmless by the Grantor or from the Trust Fund, or both, from and against any personal liability to which the Trustee may be subjected by reason of any act or conduct in its official capacity, including all expenses reasonably incurred in its defense in the event the

the Grantor fails to provide such defense.

Section 19. Choice of Law. This Agreement shall be adminisered, construed and enforced according to the laws of the State of New Jersey.

Section 20. Interpretation. As used in this Agreement, words in the singular include the plural and words in the plural include the singular. The descriptive headings for each Section of this Agreement shall not affect the interpretation or the legal efficacy of this Agreement.

Section 21. The Grantor agrees that the Surety Bond number 29-0110-10655-84-2 dated June 7, 1984 principal amount of \$37,500.00 (Thirty Seven Thousand Five Hundred Dollars and no cents) will be paid into the said Trust Fund upon closure of its plant located in Camden, NJ and those funds will be disbursed according to this Trust Agreement.

Copy of Surety Bond attached.

In Witness Whereof the parties have caused this Agreement to be executed by their respective officers, duly authorized, and their corporate seals to be hereunto affixed and attested, as of the date first above written: The parties below certify that the wording of this Agreement is identical to the wording specified in N.J.A.C. 7:26-9 (Appendex A) as such regulations were constituted on the date first above written.

Flowen Oil Delaware Valley Inc.

Signature and Title

	Horizon Arust Company, National Association
	Ithris lunker Vice Pared
•	Signature and Title
Attest: Six Blaman	<del>-</del>
Seal:	•
	·
•	
3. mana	
On this August 22, 1984 Priscilla N. Rains	, before me personally came to me known, who, being by me duly
	the he resides at Vineland,
New Jersey	, that he is Assistant Secretary
of Horizon Trust Compar	, the corporation described in
and which executed the above	ve instrument; that he knows the seal
	the seal affixed to such instruments
is such corporate seal; the	at it was so affixed by order of the
	corporation, and that he signed his
name thereto by like order	•
	Janne M. Tyled
•	Signuature of Notary Public

476

seal:

M

\$37,500.00 Total penal sum of bond:

29-0110-10655-84-2

Date: June 7, 1984 Surety's Bond Number:

BOND FOR FLOWEN OIL DELAWARE VALLEY, INC., CARMAN STREET, CAMDEN FACILITY.

Know All Persons By These Presents, That we, the Principal and Surety hereto are firmly bound to the New Jersey Department of Environmental Protection (hereinafter called NJDEP), in the above penal sum for the payment of which we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally.

Whereas said Principal is required, under the New Jersey Solid Waste Management Act, to have a permit in order to own or operate each hazardous waste management facility identified above, and

"Whereas said Principal is required to provide financial assurance for closure and post-closure care, as a condition of the permit or existing facility status.\*

Whereas said Principal shall establish a standby trust fund as is required when a surety bond is used to provide such financial assurance;

Now, Therefore, the conditions of this obligation are such that, if the Principal shall faithfully perform closure, whenever required to do so, of each facility for which this bond guarantees closure, in accordance with the closure plan and other requirements of the permit as such plan and permit may be amended, pursuant to all applicable laws, statutes, rules, and regulations, as such laws, statutes, rules and regulations may be amended,

And, if the Principal shall faithfully perform post-closure of each facility for which this bond guarantees post-closure care, in accordance with the post-closure plan and other requirements of the permit, as such plan and permit may be amended, pursuant to all applicable laws, statutes, rules and regulations, as such laws statutes, rules and regulations may be amended,

Or, if the Principal shall provide alternate financial assurance as specified in N.J.A.C. 7:26-9.1 et seq., and obtain the written approval of the NJDEP of such assurance; within 90-days after the date notice of cancellation is received by both... the Principal and the NJDEP for the Surety then this obligation shall be null and void, otherwise it is to remain in full force and effect.

The Surety shall become liable on this bond obligation only when the Principal has failed to fulfill the conditions described above.

Upon notification by the NJDEP that the Principal has been found in violation of the closure requirements of N.J.A.C. 7:26-9.1 et seq., for a facility for which this bond guarantees performances of closure, the Surety shall either perform closure in accordance with the closure plan and other permit requirements or place the closure amount guaranteed for the facility into the standby trust fund as directed by NJDEP.

Upon notification by the NJDEP that the Principal has been found in violation of the post-closure requirements of M.J.A.C. 7:26-9.1 et seq., for a facility for which this bond guarantees performance of post-closure, the Surety shall either perform postclosure care in accordance with the post-closure plan and other permit requirements or place the post-closure amount guaranteed for the facility into the standby trust fund, as directed by the NJDEP.

Upon notification by the NJDEP that the Principal has failed to provide alternate financial assurance as specified in N.J.A.C. 7:26-9.1 et seq. and obtain written approval of such assurance from the NJDEP during the 90 days following receipt of both the Principal and the NJDEP of a notice of cancellation of the bond, the Surety shall place funds in the amount guaranteed for the facility into the standby trust fund as directed by the NJDEP.

The surety hereby waives notification of amendments to closure plans, permits, applicable laws, statutes, rules and regulations and agrees that no such amendment shall in any way alleviate its obligations of this bond.

The liability of the Surety shall not be discharged by any payment of succession of payments hereunder, unless and until such payment or payments shall amount in the aggregate to the penal sum of the bond, but in no event shall the obligation of the Surety hereunder exceed the amound of said penal sum.

The Surety may cancel the bond by sending notice of cancellation by certified mail to the owner or operator and to the NJDEP, provided, however, that cancellation shall not occur during the 120 days beginning on the date of receipt of the notice of cancellation by both the Principal and the NJDEP as evidenced by the return receipts, nor shall cancellation occur while a compliance procedure is pending, as defined in N.J.A.C. 7:26-9.10\*[(C)]\*\*(b)2\*.

The Principal may terminate this bond by sending written notice to the Surety, provided however, that no such notice shall become effective until the Surety receives written authorization for termination of the bond by the NJDEP.

In Witness Whereof, The Principal and Surety have executed this Performance Bond and have affixed their seals on the date set forth above.

The persons whose signatures appear below hereby certify that they are authorized to execute this surety bond on behalf of the Principal and Surety and that the wording on this surety bond is identical to the wording specified in N.J.A.C. 7:26-9 (Appendix 1 as such regulation was constituted on the date this bond was executed.

Principal: Flowen Oil Delaware Valley, Inc.

Ву:

Name: Joe C. Norman Title President (Corporate Seal)

Corporate Surety: United States Fidelity & Guaranty Company

Address: P.O. Box 4477, Houston, Tx. 77210

State of Incorporation: Maryland

Signature: By John F. Rougagnac, Jr Its Attorney-in-Fac

(Corporate Seal

COUNTERSIGNED BY NEW JERSEY RESIDENT AGENT:

: White M Puccia

478

224

#### CERTIFIED COPY

# GENERAL POWER OF ATTORNEY

No. 89282

Know a	Ш	Men	br	these	Presente	

That UNITED STATES FIDELITY AND GUARANTY COMPANY, a corporation organized and existing under the laws of the State of Maryland, and having its principal office at the City of Baltimore, in the State of Maryland, does hereby constitute and appoint John P. Rougagnac, Jr.

of the City of Houston, State of Texas its true and lawful attorney in and for the State of Texas

for the following purposes, to wit:

To sign its name as surety to, and to execute, seal and acknowledge any and all bonds, and to respectively do and perform any and all acts and things set forth in the resolution of the Board of Directors of the said UNITED STATES FIDELITY AND GUARANTY COMPANY, a certified copy of which is hereto annexed and made a part of this Power of Attorney; and the said UNITED STATES FIDELITY AND GUARANTY COMPANY, through us, its Board of Directors, hereby ratifies and confirms all and whatsoever the said

John F. Rougagnac, Jr.

may lawfully do in the premises by virtue of these presents.

In Witness Whereof, the said UNITED STATES FIDELITY AND GUARANTY COMPANY has caused this instrument to be sealed with its corporate seal, duly attented by the signatures of its Vice-President and Assistant Secretary, this 26th day of January . A. D. 1979

UNITED STATES FIDELITY AND GUARANTY COMPANY.

(Signed) 87 Geo. A. Stewart, Jr.

Vice-President

(SEAL)

(Signed) William J. Phelan

Austran Secretary.

STATE OF MARYLAND,
BALTIMORE CITY,

\*\*\*

26th , A. D. 1979, before me personally came January On this day of , Vice-President of the UNITED STATES FIDELITY AND GUARANTY A. Stewart Jr. Geo. William J. Phelan , Assistant Secretary of said Company, with both of COMPANY and whom I am personally acquainted, who being by me severally duly sworn, said that they, the said Geo. A. Stewart, Jr. William J. Phelan were respectively the Vice-President and the Assistant Secretary of the said UNITED STATES FIDELITY AND GUARANTY COMPANY, the corporation described in and which executed the foregoing Power of Attorney; that they each knew the seal of said corporation; that the seal affixed to said Power of Attorney was such corporate seal, that it was so fixed by order of the Board of Directors of said corporation, and that they signed their names thereto by like order as Vice-President and Assistant Secretary, respectively, of the Company.

My commission expires the first day in July, A. D. 19. 82...

(SEAL) (Signed) Margaret M. Hurst

Notary Public.

STATE OF MARYLAND
BALTIMORE CITY.

Sci

L. William Allen . Clerk of the Superior Court of Baltimore City, which Court is a Court of Record, and has a seal do hereby certify that Margaret M. Hurst , Esquire, before whom the annexed affidavits were made, and who has thereto subscribed his name, was at the time of so doing a Notary Public of the State of Maryland, in and for the City of Baltimore, duly commissioned and sworn and authorized by law to administer oaths and take acknowledgments, or proof of deeds to be recorded therein. I further certify that I am acquainted with the handwriting of the said Notary, and verily believe the signature to be his genuine signature.

In Testimony Phereof, I bereto set my hand and affix the seal of the Superior Court of Baltimore City, the same being a Court of Record, this day of January , A. D. 1979

(SEAL) A70 (Signed) ....

William Allen

Clerk of the Superior Court of Baltimore City.

TR 3 (6-17)

#### COPY OF RESOLUTION

That Whereas, it is necessary for the effectual transaction of business that this Company appoint agents and attorneys with power and authority to act for it and in its name in States other than Maryland, and in the Territories of the United States and in the Province of the Dominion of Canada and in the Colony of Newfoundland.

Therefore, be it Resolved, that this Company do, and it hereby does, authorize and empower its President or either of its Vice-Presidents in conjunction with its Secretary or one of its Assistant Secretaries, under its corporate seal, to appoint any person or persons as attorney or attorneys-in-fact, or agent or agents of said Company, in its name and as its act, to execute and deliver any and all contracts guaranteeing the fidelity of persons holding positions of public or private trust, guaranteeing the performances of contracts other than insurance policies and executing or guaranteeing bonds and undertakings, required or permitted in all actions or proceedings, or by law allowed, and

Also, in its name and as its attorney or attorneys-in-fact, or agent or agents to execute and guarantee the conditions of any and all bonds, recognizances, obligations, stipulations, undertakings or anything in the nature of either of the same, which are or may by law, municipal or otherwise, or by any Statute of the United States or of any State or Territory of the United States or of the Provinces of the Dominion of Canada or of the Colony of Newfoundland, or by the rules, regulations, orders, customs, practice or discretion of any board, body, organization, office or officer, local, municipal or otherwise, be allowed, required or permitted to be executed, made, taken, given, tendered, accepted, filed or recorded for the security or protection of, by or for any person or persons, corporation, body, office, interest, municipality or other association or organization whatsoever, in any and all capacities whatsover, conditioned for the doing or not doing of anything or any conditions which may be provided for in any such bond, recognizance, obligation, stipulation, or undertaking, or anything in the nature of either of the same.

I. Michael P. Rammond ... an Assistant Secretary of the UNITED STATES FIDELITY AND GUARANTY COMPANY. do hereby certify that the foregoing is a full, true and correct copy of the original power of attorney given by said Company to John P. Rougagnac, Jr.

of Houston, Texas , authorizing and empowering him to sign bonds as therein set forth, which power of attorney has never been revoked and is still in full force and effect.

And I do further certify that said Power of Attorney was given in pursuance of a resolution adopted at a regular meeting of the Board of Directors of said Company, duly called and held at the office of the Company in the City of Baltimore, on the 11th day July, 1910, at which meeting a quorum of the Board of Directors was present, and that the foregoing is a true and correct copy of as resolution, and the whole thereof as recorded in the minutes of said meeting.

In Testimony Whereof, I have hereunto set my hand and the seal of the UNITED STATES FIDELITY AND GUARANTY COMPANY on June 7, 1984

(Date)



### OF ENVIRONMENTAL PROTECTION

# DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PERMIT PROGRAM BUREAU OF NEW SOURCE REVIEW CN 027

TRENTON, NEW JERSEY 08625

Date: 3/31/89

REMTECH ENVIRONMENTAL GROUP ARCHIE ROSS 1800 CARMAN ST. CAMDEN . NJ. 081

, NJ, 08105-0000

Plant Location: CAMDEN CAMDEN

Applicant's Designation of Stack:NJ STACK #1

Application Log #: 01890929 Approval Date: 3/28/89

Approval Status Code: 05

PERMIT TO CONSTRUCT, INSTALL OR ALTER CONTROL APPARATUS OR EQUIPMENT

This permit is being issued under the authority of chapter 106, P.L. 1967 (N.J.S.A. 26:2C-9.2). You may construct, install, or alter the control apparatus or equipment as indicated on the application referenced above.

The Status of this approval is referenced above. Please see page 2 of this letter for the explanation the status code.

You will be sent Form VEM-017 at a later date. Form VEM-017 will include your New Jersey Plant ID Number, New Jersey Stack Number, and Certificate Number.

If you have any questions regarding this document, please write to the Bureau of New Source Review at the above address. Questions regarding Certificates to Operate should be directed to the Regional Office.

Approved by:

Chief

C: BNSR File Regional Office

227 481 · Contract

# **REGIONAL OFFICES**

METROPOLITAN REGIONAL	JENEORCEMENT	CENTRAL REGIONA	LENFORCEMENT	
Department of Environmental Protection Division of Environmental Quality Burgau of Enforcement Operations 2 Baccock Place West Orange, New Jersey 07052		N.J. Department of Environmental Protection Division of Environmental Quality Bureau of Enforcement Operations Twin Rivers Professional Bldg. East Windsor, New Jersey 08520		
REMIECH - Semestre (102)		(609) 426-0796	ey 08320	
Covers Counties of: Berge	n, Essex, on & Union	Covers Counties of:	Burlington, Mercer, Middlesex, Monmouth & Ocean	
NORTHERN REGIONAL ENE	ORCEMENT	SOUTHERN REGION	AL ENFORCEMENT	
N.J. Department of Environmental Division of Environmental Quality Bureau of Enforcement Operations 1259 Route 46 Parsippany-Troy Hills, N.J. 07054 (201) 299-7700	, 3	NJ. Department of Environment Division of Environment Bureau of Enforcement he Paint Works Corpor 20 East Clementon Road Gibbsboro, NJ. 08026 (609) 346-8071	tal Quality Operations rate Center	
Some	rdon, Morris, set, Sussex, c & Warren	Covers Counties of:	Atlantic, Camden, Cape May, Cumberland, Salem & Gloucester	
CERTIFICATE STATUS CODE	ES: O1 - Tempor	ary Operating Certificate		
e e sa sa sa sa sa sa sa sa sa sa sa sa sa	05 - Five Ye	ar Operating Certificate		
	51 - Condition	onal — Temporary (See Cor	ndition Checked)	
		est Required	•	
		ar Conditional (See Conditi	on Checked)	
CONDITIONS THAT WILL A	PPLY: N	Io Odors Beyond Property L	ine	
	N	lo Visible Emissions		
	0	Opacity Limited to 10%		
482	s	pecial Conditions (See Atta	chment)	

If this item is checked this Operating Certificate is not approved for start up.





# OF ENVIRONMENTAL PROTECTION

FEB 24 1988

# DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

All Correspondence must indicate your APC PLANT ID NUMBER

Certificate Number

049860

APC PLANT ID 50024

(Mailing Address)

(Plant Location)

FLOWEN DILS DELAWARE VALLEY INC. 1800 CARMAN ST.

CAMDEN

NJ 08105

1800-1900 CARMAN ST.

Applicant's Designation of Equipment

N.J. Stack No. CO1
Approval C4.

04/14/81

San Ali talih metabagan Gobin din b

STORAGE TANK P1 No. of Stacks 001 Effective 04/03/83

No. of Sources 01
Expiration 04/03/93

### **≠ FIVE YEAR RENEWAL ≠**

THIS RENEWED FIVE YEAR CERTIFICATE IS BEING ISSUED UNDER THE AUTHORITY OF CHAPTER 106, P.L. 1967 (N.J.S.A.26:2C-9.2). THE POSSESSION OF THIS DOCUMENT DOES NOT RELIEVE YOU FROM THE OBLIGATION OF COMPLYING WITH ALL PROVISIONS OF THE NEW JERSEY ADMINISTRATIVE CODE, TITLE 7, CHAPTER 27.

IN ACCORDANCE WITH N.J.S.A. 54:4-3.56 TO 3.58, YOU MAY BE ENTITLED TO AN EXEMPTION OF TAXATION IF YOUR EQUIPMENT IS TAXED AND IS CONSIDERED TO BE AN AIR POLLUTION CONTROL DEVICE. A TAX EXEMPTION APPLICATION MAY BE OBTAINED FROM THE BUREAU OF NEW SOURCE REVIEW. (SEE OTHER SIDE)

IF IT IS NECESSARY TO AMEND YOUR EMERGENCY STANDBY PLANS, FLEASE CONSULT WITH THE APPROPRIATE REGIONAL OFFICE. (SEE OTHER SIDE)

IN ACCORDANCE WITH N.J.A.C. 7:27-8.3(D), THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING PREMISES.

Approved by

483

ision of Environmental Protection ision of Environmental Quality CN-027, 401 East State Street Trenton, New Jersey 08625

2



### OF ENVIRONMENTAL PROTECTION

### DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

FEB 24 1988

All Correspondence must indicate your APC PLANT ID NUMBER

Certificate Number

2049861

erouinel infine par minimal

APC PLANT ID 50024

(Mailing Address)

(Plant Location) CONTRACTOR OF THE CONTRACTOR STATES

FLOWEN OILS DELAWARE VALLEY INC.

The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s

1800 CARMAN ST.

08105 NJ

1800-1900 CARMAN ST. CAMDEN

Applicant's Designation of Equipment N.J. Stack No. G32

CAMDEN

Approval

04/14/81

STORAGE TANK P2 No. of Stacks 001 Effective 07/13/81

No. of Sources C1 Expiration 04/03/93

⇒ CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT ⇒

#### \* FIVE YEAR RENEWAL \$

THIS RENEWED FIVE YEAR CERTIFICATE IS BEING ISSUED UNDER THE AUTHORITY OF CHAPTER 106, P.L. 1967 (N.J.S.A.26:2C-9.2). THE POSSESSION OF THIS DOCUMENT DOES NOT RELIEVE YOU FROM THE OBLIGATION OF COMPLYING WITH ALL PROVISIONS OF THE NEW JERSEY ADMINISTRATIVE CODE, TITLE 7, CHAPTER 27.

IN ACCORDANCE WITH N.J.S.A. 54:4-3.56 TO 3.58, YOU MAY BE ENTITLED TO AN EXEMPTION OF TAXATION IF YOUR EQUIPMENT IS TAXED AND IS CONSIDERED TO BE AN AIR POLLUTION CONTROL DEVICE. A TAX EXEMPTION APPLICATION MAY BE OBTAINED FROM THE BUREAU OF NEW SOURCE REVIEW. (SEE OTHER SIDE)

IF IT IS NECESSARY TO AMEND YOUR EMERGENCY STANDEY PLANS. PLEASE CONSULT WITH THE APPROPRIATE REGIONAL OFFICE. (SEE OTHER SIDE)

IN ACCORDANCE WITH N.J.A.C. 7:27-8.3(D), THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING PREMISES.

J. Department of Environmental Protection Division of Environmental Quality CN-027, 401 East State Street Trenton, New Jersey 08625

schard



# OF ENVIRONMENTAL PROTECTION

DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

FEB 24 1988

# All Correspondence must indicate your APC PLANT ID NUMBER

Certificate Number

Compared to Law Miles

049862 APC PLANT ID 50024

(Mailing Address) compatible property of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control o

(Plant Location)

FLOWEN DILS DELAWARE VALLEY INC. 1800 CARMAN ST. C. S. PRINCES IN T

CAMDEN

08105

Contraction of the property of the second section of the second section of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second 1800-1900 CARMAN ST CAMDEN

Applicant's Designation of Equipment

N.J. Stack No. 003 Approval

04/14/81

STORAGE TANK P3 No. of Stacks OC1 Effective C7/13/81

No. of Sources C1 Expiration 64/63/93

\* CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT #

### **⇒ FIVE YEAR RENEWAL ⇒**

THIS RENEWED FIVE YEAR CERTIFICATE IS BEING ISSUED UNDER THE AUTHORITY OF CHAPTER 106, P.L. 1967 (N.J.S.A.26:2C-9.2). THE POSSESSION OF THIS DOCUMENT DOES NOT RELIEVE YOU FROM THE OBLIGATION OF COMPLYING WITH ALL PROVISIONS OF THE NEW JERSEY ADMINISTRATIVE CODE, TITLE 7, CHAPTER 27.

IN ACCORDANCE WITH N.J.S.A. 54:4-3.56 TO 3.58, YOU MAY BE ENTITLED TO AN XEMPTION OF TAXATION IF YOUR EQUIPMENT IS TAXED AND IS CONSIDERED TO BE AN AIR POLLUTION CONTROL DEVICE. A TAX EXEMPTION APPLICATION MAY BE OBTAINED FROM THE BUREAU OF NEW SOURCE REVIEW. (SEE OTHER SIDE)

IF IT IS NECESSARY TO AMEND YOUR EMERGENCY STANDBY PLANS, PLEASE CONSULT WITH THE APPROPRIATE REGIONAL OFFICE. (SEE OTHER SIDE)

IN ACCORDANCE WITH N.J.A.C. 7:27-6.3(D), THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING PREMISES.

Department of Environmental Protection ision of Environmental Quality CN-027, 401 East State Street Trenton, New Jersey 08625



# OF ENVIRONMENTAL PROTECTION

### DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

# All Correspondence must indicate your APC PLANT

Certificate Number

049863

APC PLANT ID 50024

un omneskill is net i (Mailing Address) arafi misala Tuu e elekti

1.3 - 0.35% (Plant Location)

FLOWEN DILS DELAWARE VALLEY INC. 1800 CARMAN ST. CAMDEN 08105

1800-1900 CARMAN ST. CAMDEN

Applicant's Designation of Equipment N.J. Stack No. 004 Approval

C4/14/81

STORAGE TANK P4 No. of Stacks 001 Effective 07/13/81

No. of Sources G1 Expiration 54/63/93

**≠ CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT ≠** 

### ⇒ FIVE YEAR RENEWAL ⇒

THIS RENEWED FIVE YEAR CERTIFICATE IS BEING ISSUED UNDER THE AUTHORITY OF CHAPTER 106, P.L. 1967 (N.J.S.A.26:2C-9.2). THE FOSSESSION OF THIS DOCUMENT DOES NOT RELIEVE YOU FROM THE OBLIGATION OF COMPLYING WITH ALL PROVISIONS OF THE NEW JERSEY ADMINISTRATIVE CODE, TITLE 7, CHAPTER 27.

IN ACCORDANCE WITH N.J.S.A. 54:4-3.56 TO 3.58, YOU MAY BE ENTITLED TO A EXEMPTION OF TAXATION IF YOUR EQUIPMENT IS TAXED AND IS CONSIDERED TO BE AN AIR POLLUTION CONTROL DEVICE. A TAX EXEMPTION APPLICATION MAY BE OBTAINED FROM THE BUREAU OF NEW SOURCE REVIEW. (SEE OTHER SIDE)

IF IT IS NECESSARY TO AMEND YOUR EMERGENCY STANDBY PLANS, PLEASE CONSULT WITH THE APPROPRIATE REGIONAL OFFICE. (SEE OTHER SIDE)

IN ACCORDANCE WITH NOTA A.C. 7:27-8.3(D), THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING PRÉMISES.

J. Department of Environmental Protection Division of Environmental Quality CN-027, 401 East State Street Trenton, New Jersey 08625



### OF ENVIRONMENTAL PROTECTION

DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

**FEB** 24 1988

# All Correspondence must indicate your APC PLANT ID NUMBER

Certificate Number 049865

50024

राज्यात्र कार्यक्र के कि विकास कार्यक कार्यक कार्यक कार्यक कार्यक कार्यक कार्यक कार्यक कार्यक कार्यक कार्यक का स्थापन

(Mailing Address)

(Plant Location)

eine reincit inneren bei der die eine

FLOWEN DILS DELAWARE VALLEY INC.

1800 CARMAN ST. CAMDEN

08105 NJ

一种 经非特别 经重要的

. 为如此是这种意思

1800-1900 CARMAN ST.

CAMDEN

Applicant's Designation of Equipment

N.J. Stack No. 006 **Approval** 

04/14/81

STORAGE TANK B No. of Stacks 001 Effective 07/13/81

No. of Sources G1 Expiration 54/03/93

# 

### **♦ FIVE YEAR RENEWAL ♦**

THIS RENEWED FIVE YEAR CERTIFICATE IS BEING ISSUED UNDER THE AUTHORITY OF CHAPTER 106, P.L. 1967 (N.J.S.A.26:20-9.2). THE POSSESSION OF THIS DOCUMENT DOES NOT RELIEVE YOU FROM THE OBLIGATION OF COMPLYING WITH ALL PROVISIONS OF THE NEW JERSEY ADMINISTRATIVE CODE, TITLE 7, CHAPTER 27.

IN ACCORDANCE WITH N.J.S.A. 54:4-3.56 TO 5.58, YOU MAY BE ENTITLED TO AN EXEMPTION OF TAXATION IF YOUR EQUIPMENT IS TAXED AND IS CONSIDERED TO BE AN AIR POLLUTION CONTROL DEVICE. A TAX EXEMPTION APPLICATION MAY BE OBTAINED FROM THE BUREAU OF NEW SOURCE REVIEW. (SEE OTHER SIDE)

IF IT IS NECESSARY TO AMEND YOUR EMERGENCY STANDBY PLANS, PLEASE CONSULT WITH THE APPROPRIATE REGIONAL OFFICE. (SEE OTHER SIDE)

IN ACCORDANCE WITH NO. J.A.C. 7:27-8.3(D), THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING PREMISES .-

Department of Environmental Protection ivision of Environmental Quality CN-027, 401 East State Street Trenton, New Jersey 08625

Approved by:



# OF ENVIRONMENTAL PROTECTION

### DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

# All Correspondence must indicate your APC

Certificate Number

APC PLANT ID 50024

Colorati beliammanakiliyo mer

(" Mailing Address)

(Plant Location) Transport (a 1 1014)

FLOWEN DILS DELAWARE VALLEY INC.

នេះនៅនេះកង្ស៊ីនីនៅក្នុងស៊ី នេះ នេះ ស្រុក រ

- withing Andrew by 1800-1900 CARMAN ST.

1800 CARMAN ST. CAMDEN

Strang Company The NJ 08105

CAMDEN

Applicant's Designation of Equipment N.J. Stack No. CO7

Approval

04/14/81

STORAGE TANK A No. of Stacks 001

- Effective 67/13/81

No. of Sources G1 Expiration 64/63/93

 **◆ CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT ◆** 

### **⇒ FIVE YEAR RENEWAL ⇒**

THIS RENEWED FIVE YEAR CERTIFICATE IS BEING ISSUED UNDER THE AUTHORITY OF CHAPTER 106, P.L. 1967 (N.J.S.A.26:2C-9.2). THE POSSESSION OF THIS DOCUMENT DOES NOT RELIEVE YOU FROM THE OBLIGATION OF COMPLYING WITH ALL PROVISIONS OF THE NEW JERSEY ADMINISTRATIVE CODE, TITLE 7, CHAPTER 27.

IN ACCORDANCE WITH N.J.S.A. 54:4-3.56 TO 3.58, YOU MAY BE ENTITLED TO AT EXEMPTION OF TAXATION IF YOUR EQUIPMENT IS TAXED AND IS CONSIDERED TO BE AN AIR POLLUTION CONTROL DEVICE. A TAX EXEMPTION APPLICATION MAY BE OBTAINED FROM THE BUREAU OF NEW SOURCE REVIEW. (SEE OTHER SIDE)

IF IT IS NECESSARY TO AMEND YOUR EMERGENCY STANDBY PLANS, PLEASE CONSULT WITH THE APPROPRIATE REGIONAL OFFICE. (SEE OTHER SIDE)

IN ACCORDANCE WITH NoJoa-Com 7:27-8.3(D), THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING PREMISES.

488

J. Department of Environmental Protection Division of Environmental Quality CN-027, 401 East State Street Trenton, New Jersey 08625

) ·



# OF ENVIRONMENTAL PROTECTION

# DIVISION OF ENVIRONMENTAL QUALITY FEB 24 1988

All Correspondence must indicate your APC PLANT ID NUMBER

Certificate Number

Approval

والمراجع للأراج ألها والمساورة المعادد

049867

APC PLANT ID 50024

(Mailing Address)

(Plant Location)

ా జై కు ఖమాజాత

FLOWEN GILS DELAWARE VALLEY INC.
1800 CARMAN ST.
CAMDEN NJ C81G5

1800-1900 CARMAN ST.

Applicant's Designation of Equipment N.J. Stack No. GOB

04/14/81

No. of Stacks OG1 No. o

No. of Stacks 001

Effective 07/13/81

No. of Sources 01

Expiration 04/03/93

 **◆ CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT ◆** 

#### **≠ FIVE YEAR RENEWAL ≠**

THIS RENEWED FIVE YEAR CERTIFICATE IS BEING ISSUED UNDER THE AUTHORITY OF CHAPTER 186, P.L. 1967 (N.J.S.A.26:2C-9.2). THE POSSESSION OF THIS DOCUMENT DOES NOT RELIEVE YOU FROM THE OBLIGATION OF COMPLYING WITH ALL PROVISIONS OF THE NEW JERSEY ADMINISTRATIVE CODE, TITLE 7, CHAPTER 27.

IN ACCORDANCE WITH N.J.S.A. 54:4-3.56 TO 3.58, YOU MAY BE ENTITLED TO AN EXEMPTION OF TAXATION IF YOUR EQUIPMENT IS TAXED AND IS CONSIDERED TO BE AN AIR POLLUTION CONTROL DEVICE. A TAX EXEMPTION APPLICATION MAY BE OBTAINED FROM THE BUREAU OF NEW SOURCE REVIEW. (SEE OTHER SIDE)

IF IT IS NECESSARY TO AMEND YOUR EMERGENCY STANDBY PLANS, PLEASE CONSULT WITH THE APPROPRIATE REGIONAL OFFICE. (SEE OTHER SIDE)

IN ACCORDANCE WITH N.J.A.C. 7:27-8.3(D) THIS PERMIT AND CERTIFICATE MUST BE PEADILY AVAILABLE FOR INSPECTION ON THE OPERATING PREMISES.

Approved by:

489

Department of Environmental Protection Division of Environmental Quality CN-027, 401 East State Street Trenton, New Jersey 08625



# FEB 24 1988 OF ENVIRONMENTAL PROTECTION

#### DIVISION OF ENVIRONMENTAL OUALITY AIR POLLUTION CONTROL PROGRAM

All Correspondence must indicate your APC PLANT ID NUMBER

Certificate Number

049868 .

APC PLANT ID 50024

(Mailing Address)

(Plant Location)

. iga as college da la

FLOWEN CIES DELAWARE VALLEY INC. 1800 CARMAN ST.

CAMDEN

Approval

NJ 08105 1800-1900 CARMAN ST. CAMDEN

Applicant's Designation of Equipment N.J. Stack No. 609

04/14/81 -

STORAGE TANK 11- USED LUBE OIL No. of Stacks 001 Effective 07/13/81

No. of Sources C1

Expiration 04/03/93

**◆ CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT ⇒** 

#### 

THIS RENEWED FIVE YEAR CERTIFICATE IS BEING ISSUED UNDER THE AUTHORITY OF CHAPTER 106, P.L. 1967 (N.J.S.A.26:20-9.2). THE POSSESSION OF THIS DOCUMENT LOES NOT RELIEVE YOU FROM THE OBLIGATION OF COMPLYING WITH ALL PROVISIONS OF THE NEW JERSEY ADMINISTRATIVE CODE, TITLE 7, CHAPTER 27.

IN ACCORDANCE WITH N.J.S.A. 54:4-3.56 TO 3.58, YOU MAY BE ENTITLED TO EXEMPTION OF TAXATION IF YOUR EQUIPMENT IS TAXED AND IS CONSIDERED TO BE AN AIR PULLUTION CONTROL DEVICE. A TAX EXEMPTION APPLICATION MAY BE OBTAINED FROM THE BUREAU OF NEW SOURCE REVIEW. (SEE OTHER SIDE)

IF IT IS NECESSARY TO AMEND YOUR EMERGENCY STANDBY PLANS, PLEASE CONSULT WITH THE APPROPRIATE REGIONAL OFFICE. (SEE OTHER SIDE)

IN ACCORDANCE WITH NoJeasce 7:27-8-3(D), THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING PREMISES.

N.J. Department of Environmental Protection Division of Environmental Quality CN-027, 401 East State Street Trenton, New Jersey 08625



# OF ENVIRONMENTAL PROTECTION

DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

FEB 24 1988

All Correct	ondence m	ust indicate vout	APC PLA	ANT ID	NUMBER

Certificate Number

Approval

049869

APC PLANT ID 50024

mailing Address)

(Plant Location)

FLOWEN DILS DELAWARE VALLEY INC.
1800 CARMAN ST.
CAMDEN NJ 08105

1800-1900 CARMAN ST. CAMDEN

Applicant's Designation of Equipment N.J. Stack No. 010

04/14/81

Control to the second of the second of the second of the second of the second

STORAGE TANK 10- USED LUBE OIL No. of Stacks 001

No. of Sources C1

Effective 07/13/81

Expiration 04/03/93

# CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT #

#### **⇒ FIVE YEAR RENEWAL ≠**

THIS RENEWED FIVE YEAR CERTIFICATE IS BEING ISSUED UNDER THE AUTHORITY OF CHAPTER 106, P.L. 1967 (N.J.S.A.26:2C-9.2). THE POSSESSION OF THIS DOCUMENT DOES NOT RELIEVE YOU FROM THE OBLIGATION OF COMPLYING WITH ALL PROVISIONS OF THE NEW JERSEY ADMINISTRATIVE CODE, TITLE 7, CHAPTER 27.

IN ACCORDANCE WITH N.J.S.A. 54:4-3.56 TO 3.58, YOU MAY BE ENTITLED TO AN EXEMPTION OF TAXATION IF YOUR EQUIPMENT IS TAXED AND IS CONSIDERED TO BE AN AIR POLLUTION CONTROL DEVICE. A TAX EXEMPTION APPLICATION MAY BE OBTAINED FROM THE BUREAU OF NEW SOURCE REVIEW. (SEE OTHER SIDE)

IF IT IS NECESSARY TO AMEND YOUR EMERGENCY STANDBY PLANS, PLEASE CONSULT WITH THE APPROPRIATE REGIONAL OFFICE. (SEE OTHER SIDE)

MARIN ACCORDANCE WITH N.J.A.C. 7:27-8.3(D), THIS PERMIT AND CERTEFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING PREMISES.

491

J. Department of Environmental Protection Division of Environmental Quality CN-027, 401 East State Street Trenton, New Jersey 08625

Approved by:



#### OF ENVIRONMENTAL PROTECTION

FEB 24 198

#### DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

All Correspondence must indicate your APC PLANT ID NUMBER

Certificate Number

049870  APC PLANT ID 50024

(Mailing Address)

(Plant Location)

FLOWEN OILS DELAWARE VALLEY INC. 1800 CARMAN ST.

CAMDEN

LN 08105 1800-1900 CARMAN CAMDEN

Applicant's Designation of Equipment

N.J. Stack No. 011

Approval

04/14/81

STORAGE TANK 9 - USED LUBE OIL No. of Stacks CO1

Effective 07/13/81

No. of Sources 51

Expiration 04/03/93

#### ◆ CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT ◆

#### ⇒ FIVE YEAR RENEWAL ⇒

THIS RENEWED FIVE YEAR CERTIFICATE IS BEING ISSUED UNDER THE AUTHORITY OF CHAPTER 106. P.L. 1967 (N.J.S.A.26:2C-9.2). THE POSSESSION OF THIS DOCUMENT DOES NOT RELIEVE YOU FROM THE OBLIGATION OF COMPLYING WITH ALL PROVISIONS OF THE NEW JERSEY ADMINISTRATIVE CODE, TITLE 7, CHAPTER 27.

IN ACCORDANCE WITH N.J.S.A. 54:4-3.56 TO 3.58, YOU MAY BE ENTITLED TO AN EXEMPTION OF TAXATION IF YOUR EQUIPMENT IS TAXED AND IS CONSIDERED TO BE AN AIR POLLUTION CONTROL DEVICE. A TAX EXEMPTION APPLICATION MAY BE OBTAINED FROM THE BUREAU OF NEW SOURCE REVIEW. (SEE OTHER SIDE)

IF IT IS NECESSARY TO AMEND YOUR EMERGENCY STANDBY PLANS, PLEASE CONSULT WITH THE APPROPRIATE REGIONAL OFFICE. (SEE OTHER SIDE)

IN ACCORDANCE WITH N.J.A.C. 7:27-8.3(D), THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING FREMISES.

J. Department of Environmental Protection vision of Environmental Quality CN-027, 401 East State Street Trenton, New Jersey 08625

chard Cr



## OF ENVIRONMENTAL PROTECTION

FEB 24 1988

# DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

All Correspondence must indicate your APC PLANT ID NUMBER

Certificate Number

049871

APC PLANT ID 50024

(Mailing Address)

(Plant Location)

FLOWEN DILS DELAWARE VALLEY INC. 1800 CARMAN ST.

CAMDEN

NJ 08105

1800-1900 CARMAN ST. CAMDEN

usham kit nakhiripin kempi F

Applicant's Designation of Equipment

ouder Daels engre 💯 🔡

N.J. Stack No. 012 Approval 044

04/14/61

STORAGE TANK 8 - USED LUBE OIL No. of Stacks CO1 No. o

Effective 67/13/81

No. of Sources 01

Expiration 04/03/93

**★ CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT ★** 

#### **⇒ FIVE YEAR RENEWAL ⇒**

THIS RENEWED FIVE YEAR CERTIFICATE IS BEING ISSUED UNDER THE AUTHORITY OF CHAPTER 106, P.L. 1967 (N.J.S.A.26:2C-9.2). THE POSSESSION OF THIS DOCUMENT DOES NOT RELIEVE YOU FROM THE OBLIGATION OF COMPLYING WITH ALL PROVISIONS OF THE NEW JERSEY ADMINISTRATIVE CODE, TITLE 7, CHAPTER 27.

IN ACCORDANCE WITH N.J.S.A. 54:4-3.56 TO 3.58, YOU MAY BE ENTITLED TO AN EXEMPTION OF TAXATION IF YOUR EQUIPMENT IS TAXED AND IS CONSIDERED TO BE AN AIR POLLUTION CONTROL DEVICE. A TAX EXEMPTION APPLICATION MAY BE OBTAINED FROM THE BUREAU OF NEW SOURCE REVIEW. (SEE OTHER SIDE)

IF IT IS NECESSARY TO AMEND YOUR EMERGENCY STANDBY FLANS, PLEASE CONSULT WITH THE APPROPRIATE REGIONAL OFFICE. (SEE OTHER SIDE)

IN ACCORDANCE WITH N.J.A.C. 7:27-8.3(D), THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING PREMISES.

493

J. Department of Environmental Protection vision of Environmental Quality
CN-027, 401 East State Street
Trenton, New Jersey 08625

Approved by

Pichard .



## OF ENVIRONMENTAL PROTECTION

FEB 24 1988

#### DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

# All Correspondence must indicate your APC PLANT ID NUMBER

Certificate Number

HORSEN - WAS ELTERATED

50024

(Mailing Address)

(Plant Location) بالمرفق والمتعور المواجر

FLOWEN OILS DELAWARE VALLEY INC. 1800 CARMAN ST

ar oldanig() andi inci

CAMDEN

08105

1800-1900 CARMAN ST. CAMDEN

Applicant's Designation of Equipment

N.J. Stack No. 013

STORAGE TANK 7 - USED LUBE OIL No. of Stacks 001

No. of Sources 21

Expiration 64/63/93

Approval 04/14/81 Effective 07/13/81

## ≠ CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT ≈

## FIVE YEAR RENEWAL \*

THIS RENEWED FIVE YEAR CERTIFICATE IS BEING ISSUED UNDER THE AUTHORITY OF CHAPTER 106, P.L. 1967 (N.J.S.A.26:2C-9.2). THE POSSESSION OF THIS DOCUMENT DOES NOT RELIEVE YOU FROM THE COLIGATION OF COMPLYING WITH ALL PROVISIONS OF THE NEW JERSEY ADMINISTRATIVE CODE, TITLE 7. CHAPTER 27.

IN ACCORDANCE WITH N.J.S.A. 54:4-3.56 TO 3.58, YOU MAY BE ENTITLED TO A EXEMPTION OF TAXATION IF YOUR EQUIPMENT IS TAXED AND IS CONSIDERED TO BE AN AIR POLLUTION CONTROL DEVICE. A TAX EXEMPTION APPLICATION MAY BE OBTAINED FROM THE BURSAU OF NEW SOURCE REVIEW. (SEE OTHER SIDE)

IF IT IS NECESSARY TO AMEND YOUR EMERGENCY STANDBY PLANS, PLEASE CONSULT WITH THE APPROPRIATE REGIONAL OFFICE. (SEE OTHER SIDE)

IN ACCORDANCE WITH N.J.A.C. 7:27-8.3(D), THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING PREMISES.

J. Department of Environmental Protection vivision of Environmental Quality CN-027, 401 East State Street Trenton, New Jersey 08625



## OF ENVIRONMENTAL PROTECTION

#### DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

All Correspondence must indicate your APC PLANT ID NUMBER

Certificate Number @ 049873

Applicant's Designation of Equipment

Could the the form of the first the first of the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first the first t

APC PLANT ID 50024

(Mailing Address) maritaning ( ) and can relative and rela(Plant Location)

TO CONTROL OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE SERVE OF THE

Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Contro

FLOWEN DILS DELAWARE VALLEY INC. 1800 CARMAN ST. CAMDEN

18C0-1900 CARMAN ST. CAMDEN

LN 08105

STORAGE TANK 6 - USED LUBE DIL

No. of Sources C1

N.J. Stack No. C14 Approval

04/14/81

No. of Stacks OC1 Effective 07/13/61

Expiration 64/03/93

### **◆ CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT ◆**

#### **⇒ FIVE YEAR RENEWAL ⇒**

THIS RENEWED FIVE YEAR CERTIFICATE IS BEING ISSUED UNDER THE AUTHORITY OF CHAPTER 106, P.L. 1967 (N.J.S.A.26:20-9.2). THE POSSESSION OF THIS DOCUMENT DOES NOT RELIEVE YOU FROM THE OBLIGATION OF COMPLYING WITH ALL PROVISIONS OF THE NEW JERSEY ADMINISTRATIVE CODE, TITLE 7, CHAPTER 27.

N ACCORDANCE WITH N.J.S.A. 54:4-3.56 TO 3.58, YOU MAY BE ENTITLED TO AN **EXEMPTION OF TAXATION IF YOUR EQUIPMENT IS TAXED AND IS CONSIDERED TO BE** AN AIR POLLUTION CONTROL DEVICE. A TAX EXEMPTION APPLICATION MAY BE OBTAINED FROM THE BUREAU OF NEW SOURCE REVIEW. (SEE OTHER SIDE)

IF IT IS NECESSARY TO AMEND YOUR EMERGENCY STANDBY PLANS, PLEASE CONSULT WITH THE APPROPRIATE REGIONAL OFFICE. (See other side)

IN ACCORDANCE WITH N.J.A.C. 7:27-8.3(D), THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING PREMISES.

Department of Environmental Protection vision of Environmental Quality CN-027, 401 East State Street Trenton, New Jersey 08625



#### OF ENVIRONMENTAL PROTECTION

DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

na dia 1964, kaominina dia kaominina dia kaominina dia kaominina dia kaominina dia kaominina dia kaominina dia Ny INSEE dia mampiasa dia kaominina dia kaominina dia kaominina dia kaominina dia kaominina dia kaominina dia k

## All Correspondence must indicate your APC PLAN

Certificate Number

APC PLANT ID 50024

Charles Services

(Plant Location)

APC

(Mailing Address)

The state of the second state of the second

1800 CARMAN STAR TOLL TO THE STAR TO SEA

FLOWEN DILS DELAWARE VALLEY INC.

Bocks Place Co. 1800-1900 CARMAN ST.

08105 LN

CAMDEN

Applicant's Designation of Equipment N.J. Stack No. 015

STORAGE TANK 5 - USED LUBE OIL

No. of Sources 61

Approval

04/14/81

No. of Stacks 001 Effective 07/13/81

Expiration 54/03/93

◆ CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT 

◆

#### **⇒ FIVE YEAR RENEWAL ⇒**

THIS RENEWED FIVE YEAR CERTIFICATE IS BEING ISSUED UNDER THE AUTHORITY OF CHAPTER 106, P.L. 1967 (N.J.S.A.26:20-9.2). THE POSSESSION OF THIS DOCUMENT DGES NOT RELIEVE YOU FROM THE OBLIGATION OF COMPLYING WITH ALL PROVISIONS OF THE NEW JERSEY ADMINISTRATIVE CODE, TITLE 7, CHAPTER 27.

IN ACCORDANCE WITH N.J.S.A. 54:4-3.56 TO 3.58, YOU MAY BE ENTITLED TO AN EXEMPTION OF TAXATION IF YOUR EQUIPMENT IS TAXED AND IS CONSIDERED TO BE AN AIR POLLUTION CONTROL DEVICE. A TAX EXEMPTION APPLICATION MAY BE OBTAINED FROM THE BUREAU OF NEW SOURCE REVIEW. (SEE OTHER SIDE)

IF IT IS NECESSARY TO AMEND YOUR EMERGENCY STANDBY PLANS, PLEASE CONSULT WITH THE APPROPRIATE REGIONAL OFFICE. (SEE OTHER SIDE)

IN ACCORDANCE WITH NoJoaco 7:27-8.3(D). THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING PREMISES.

J. Department of Environmental Protection ivision of Environmental Quality CN-027, 401 East State Street Trenton, New Jersey 08625



# OF ENVIRONMENTAL PROTECTION

# DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

## All Correspondence must indicate your APC PLANT ID NUMBER

Certificate Number

049875

APC PLANT ID 50024

(Mailing Address)

ราช พระส**ร์วิวัตร**์และเกรมเลียม และ แล้ว แล้ว เรียก เรื่

(Plant Location)

and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s

FLOWEN GILS DELAWARE VALLEY INC. 1800 CARMAN ST. CAMDEN NJ 08105

1800-1900 CARMAN ST. CANDEN

ichard (

Applicant's Designation of Equipment

STORAGE TANK 4 - USED LUBE GIL No. of Stacks GO1 No. o

No. of Sources 21

N.J. Stack No. C16
Approval

04/14/81 =

STOR AND STORY OF THE PROPERTY OF THE PARTY OF THE

Effective 07/13/81

Expiration 04/03/93

#### **⇒** CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT **⇒**

#### **⇒ FIVE YEAR RENEWAL ⇒**

THIS RENEWED FIVE YEAR CERTIFICATE IS BEING ISSUED UNDER THE AUTHORITY OF CHAPTER 106, P.L. 1967 (N.J.S.A.26:2C-9.2). THE POSSESSION OF THIS DOCUMENT DOES NOT RELIEVE YOU FROM THE OBLIGATION OF COMPLYING WITH ALL PROVISIONS OF THE NEW JERSEY ADMINISTRATIVE CODE, TITLE 7, CHAPTER 27.

IN ACCORDANCE WITH N.J.S.A. 54:4-3.56 TO 3.58, YOU MAY BE ENTITLED TO AN EXEMPTION OF TAXATION IF YOUR EQUIPMENT IS TAXED AND IS CONSIDERED TO BE AN AIR POLLUTION CONTROL DEVICE. A TAX EXEMPTION APPLICATION MAY BE OBTAINED FROM THE BUREAU OF NEW SOURCE REVIEW. (SEE OTHER 51DE)

IF IT IS NECESSARY TO AMEND YOUR EMERGENCY STANDBY PLANS, PLEASE CONSULT WITH THE APPROPRIATE REGIONAL OFFICE. (SEE OTHER SIDE)

IN ACCORDANCE WITH N.J.A.C. 7:27-8.3(D), THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING PREMISES.

497

J. Department of Environmental Protection Division of Environmental Quality CN-027, 401 East State Street Trenton, New Jersey 08625

Approved by:



#### OF ENVIRONMENTAL PROTECTION

#### DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

All	Correspondence	must indicate you	ir APC PLAN	NT ID NUMBER

Certificate Number

049876 Royali till APC PLANT ID 50024

(Mailing Address) and the second

🌃 (Plant Location) 🖟

FLOWEN OILS DELAWARE VALLEY INC. 1800 CARMAN ST.

CAMDEN

Approval

LN 08105 1800-1900 CARNAN ST CAMDEN

Applicant's Designation of Equipment N.J. Stack No. C17

04/14/81

STORAGE TANK 3 - USED LUBE OIL No. of Stacks 001 Effective 07/13/81

No. of Sources 01 Expiration 64/63/93

# CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT 

# CERTIFICATE TO THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY

#### **⇒ FIVE YEAR RENEWAL ⇒**

THIS RENEWED FIVE YEAR CERTIFICATE IS BEING ISSUED UNDER THE AUTHORITY OF CHAPTER 106, P.L. 1967 (N.J.S.A.26:2C-9.2). THE POSSESSION OF THIS DOCUMENT DOES NOT RELIEVE YOU FROM THE OBLIGATION OF COMPLYING WITH ALL PROVISIONS OF THE NEW JERSEY ADMINISTRATIVE CODE, TITLE 7, CHAPTER 27.

IN ACCORDANCE WITH N.J.S.A. 54:4-3.56 TO 3.58, YOU MAY BE ENTITLED TO AN EXEMPTION OF TAXATION IF YOUR EQUIPMENT IS TAXED AND IS CONSIDERED TO BE AN AIR POLLUTION CONTROL DEVICE. A TAX EXEMPTION APPLICATION MAY BE OBTAINED FROM THE BUREAU OF NEW SOURCE REVIEW. (SEE OTHER SILE)

IF IT IS NECESSARY TO AMEND YOUR EMERGENCY STANDBY PLANS, PLEASE CONSULT WITH THE APPROPRIATE REGIONAL OFFICE. (SEE OTHER SIDE)

IN ACCORDANCE WITH N.J.A.C. 7:27-8.3(D), THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING PREMISES.

498

J. Department of Environmental Protection Division of Environmental Quality CN-027, 401 East State Street Trenton, New Jersey 08625

) ichard



## OF ENVIRONMENTAL PROTECTION

# DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

FEB 24 1988

## All Correspondence must indicate your APC PLANT ID NUMBER

Certificate Number

Approval

049877

APC PLANT ID 50024

AMERICA GOVERNMENT OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROP

(Plant Location)

FLOWEN DILS DELAWARE VALLEY INC. 1800 CARMAN ST. CAMDEN NJ 08105

1800-1900 CARMAN ST

Applicant's Designation of Equipment N.J. Stack No. 018

The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s

04/14/81

STORAGE TANK 2 - USED LUBE OIL
No. of Stacks CO1
Effective C7/13/81
Exp

No. of Sources G1

Expiration 04/03/93

## **⇒ CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT ⇒**

#### \* FIVE YEAR RENEWAL \*

THIS RENEWED FIVE YEAR CERTIFICATE IS BEING ISSUED UNDER THE AUTHORITY OF CHAPTER 106, P.L. 1967 (N.J.S.A.26:2C-9.2). THE POSSESSION OF THIS DOCUMENT DOES NOT RELIEVE YOU FROM THE OBLIGATION OF COMPLYING WITH ALL PROVISIONS OF THE NEW JERSEY ADMINISTRATIVE CODE, TITLE 7, CHAPTER 27.

IN ACCORDANCE WITH N.J.S.A. 54:4-3.56 TO 3.58, YOU MAY BE ENTITLED TO AN EXEMPTION OF TAXATION IF YOUR EQUIPMENT IS TAXED AND IS CONSIDERED TO BE AN AIR POLLUTION CONTROL DEVICE. A TAX EXEMPTION APPLICATION MAY BE OBTAINED FROM THE BUREAU OF NEW SOURCE REVIEW. (SEE OTHER SIDE)

IF IT IS NECESSARY TO AMEND YOUR EMERGENCY STANDBY PLANS, PLEASE CONSULT WITH THE APPROPRIATE REGIONAL OFFICE. (SEE OTHER SIDE)

IN ACCORDANCE WITH N.J.A.C. 7:27-6.3(D), THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING FREMISES.

J. Department of Environmental Protection Jivision of Environmental Quality CN-027, 401 East State Street Trenton, New Jersey 08625

Approved by:

495

chand (



#### OF ENVIRONMENTAL PROTECTION

DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

## All Correspondence must indicate your APC PLANT ID NUMBER

Certificate Number 049878

AND APC PLANT ID. 50024

(Plant Location)

THE STATES

(Mailing Address)

BHANDE AND MENTAL TO THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY

FLOWEN DILS DELAWARE VALLEY INC. · "你是是这种的特别。" 1800 CARMAN ST.

CAMDEN

NJ 08105

1800-1900 CARMAN ST.

Applicant's Designation of Equipment

N.J. Stack No. 019

Approval

04/14/81

STORAGE TANK 1 - USED LUBE DIL No. of Stacks 001

Effective 07/13/81

No. of Sources C1

Expiration 94/03/93

#### ⇒ CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT ⇒

#### \* FIVE YEAR RENEWAL \*

THIS RENEWED FIVE YEAR CERTIFICATE IS BEING ISSUED UNDER THE AUTHORITY OF CHAPTER 106, P.L. 1967 (N.J.S.A.26:2C-9.2). THE POSSESSION OF THIS DOCUMENT DOES NOT RELIEVE YOU FROM THE OBLIGATION OF COMPLYING WITH ALL PROVISIONS OF THE NEW JERSEY ADMINISTRATIVE CODE, TITLE 7, CHAPTER 27.

IN ACCORDANCE WITH N.J.S.A. 54:4-3.56 TO 3.58, YOU MAY BE ENTITLED TO AN EXEMPTION OF TAXATION IF YOUR EQUIPMENT IS TAXED AND IS CONSIDERED TO BE AN AIR POLLUTION CONTROL DEVICE. A TAX EXEMPTION APPLICATION MAY BE OBTAINED FROM THE BUREAU OF NEW SOURCE REVIEW. (SEE OTHER SIDE)

IF IT IS NECESSARY TO AMEND YOUR EMERGENCY STANDBY PLANS, PLEASE CONSULT WITH THE APPROPRIATE REGIONAL OFFICE. (SEE OTHER SIDE)

IN ACCORDANCE WITH N.J.A.C. 7:27-6.3(D), THIS PERMIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING PREMISES.

500

1. Department of Environmental Protection \_ivision of Environmental Quality CN-027, 401 East State Street Trenton, New Jersey 08625

ichard Ca



# OF ENVIRONMENTAL PROTECTION

# DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM

All Correspondence must indicate your APC PLANT ID NUMBER

Certificate Number

073712

APC PLANT ID 50024

(Mailing Address)

(Plant Location)

FLOWER OILS DELAWARE VALLEY INC.
1800 CARMAN ST.

CAMDEN

NJ 08105

1800-1900 CARMAN ST. Camden

Applicant's Designation of Equipment ROOF VENT ON PROCESS BLDG

N.J. Stack No. 021 Approval 12

12/11/85

No. of Stacks 901 Effective 12/11/85 No. of Sources 08
Expiration 1/30/92

\* CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT \*

#### \* FIVE YEAR \*

THIS FIVE YEAR CERTIFICATE IS BEING ISSUED UNDER THE AUTHORITY OF CHAPTER 106, P.L. 1967 (N.J.S.A. 26:2C-9.2). THE POSSESSION OF THIS DOCUMENT DOES NOT RELIEVE YOU FROM THE OBLIGATION OF COMPLYING WITH ALL PROVISIONS OF THE NEW JERSEY ADMINISTRATIVE CODE, TITLE 7. CHAPTER 27.

IN ACCORDANCE WITH NoJosoao 54:4-3056 TO 3058, YOU MAY BE ENTITLED TO AN EXEMPTION OF TAXATION IF YOUR EQUIPMENT IS TAXED AND IS CONSIDERED TO BE AN AIR POLLUTION CONTROL DEVICEO A TAX EXEMPTION APPLICATION MAY BE DETAINED FROM THE BUREAU OF NEW SOURCE REVIEWO(SEE OTHER SIDE):

IF IT IS NECESSARY TO AMEND YOUR EMERGENCY STANDBY PLANS, PLEASE CONSULT WITH THE APPROPRIATE REGIONAL OFFICE. (SEE OTHER SIDE)

IN ACCORDANCE WITH No.J.A.C. 7:27-8.3(D). THIS PERHIT AND CERTIFICATE MUST BE READILY AVAILABLE FOR INSPECTION ON THE OPERATING PREMISES.

501

J. Department of Environmental Protection Division of Environmental Quality CN-027, 401 East State Street Trenton, New Jersey 08625

Approved by:



# OF ENVIRONMENTAL PROTECTION

## DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM BUREAU OF ENGINEERING AND TECHNOLOGY

# All Correspondence must indicate your APC PLANT ID NUMBER

Permit/Certificate Number 076163 LOG NUMBER 863491A APC PLANT ID 50024

(Mailing Address)

(Plant Location)

FLOWEN DILS DELAWARE VALLEY INC. 1800 CARMAN ST. CAMDEN 08105

1800-1900 CARMAN ST. CANDEN

Applicant's Designation of Equipment

No. of Stacks 001 Effective 11/24/86

No. of Sources 01 Expiration 11/24/91

N.J. Stack No. 023 Original Approval 11/24/86

PERMIT TO CONSTRUCT. INSTALL OR ALTER CONTROL APPARATUS OR EQUIPMENT AND

CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT (CONDITIONAL 5 YEAR DIRECT)

THIS PERMIT AND PERMANENT (5 YEAR) CERTIFICATE IS SEING ISSUED UNDER THE AUTHORITY OF CHAPTER 106, P.L. 1967 (N.J.S.A.26:2C-9.2), AND IS BEING ISSUED WITHOUT A FIELD INSPECTION. HOWEVER, FIELD INSPECTIONS ARE SCHEDULED FOR THE FUTURE AND APPROPIATE ACTIONS WILL BE TAKEN IF SUCH INSPECTIONS DISCLOSE DEVIATIONS FROM YOUR APPLICATION.

YOU MAY BE ENTITLED TO AN EXEMPTION OF TAXATION IF YOUR EQUIPMENT IS TAXED AND IS CONSIDERED TO BE AN AIR POLLUTION ABATEMENT FACILITY. A TAX EXEMPTION APPLICATION MAY BE OBTAINED FROM THIS SECTION.

IF IT IS NECESSARY TO AMEND YOUR EMERGENCY STANDBY PLANS, PLEASE CONSULT WITH THE APPROPRIATE FIELD OFFICE. (SEE OTHER SIDE)

THIS DUCUHENT MUST BE READILY AVAILABLE FOR INSPECTION AT THE PLANT.

THE FOLLOWING CONDITION(S) APPLY TO THIS (5 YEAR DIRECT) PERMIT AND CERTIFICATE:

1. THE OWNER OR OPERATOR SHALL NOT CONSTRUCT, INSTALL, USE OR CAUSE TO BE USED THIS EQUIPMENT IN A MANNER WHICH WILL RESULT IN ODORS BEING DETECTABLE BY SENSE OF SMELL IN ANY AREA, EXCEPT FOR THOSE AREAS OVER WHICH THE OWNER OR OPERATOR HAS EXCLUSIVE USE OR OCCUPANCY.

502

1

N.J. Department of Environmental Protection Division of Environmental Quality CN-027 Trenton, New Jersey 08625

Approved by:

Supervisor New Source Review Section





## OF ENVIRONMENTAL PROTECTION

DIVISION OF ENVIRONMENTAL QUALITY
AIR POLLUTION CONTROL PROGRAM
BUREAU OF ENGINEERING AND TECHNOLOGY

# All Correspondence must indicate your APC PLANT ID NUMBER

Permit/Certificate Number 076164 LOG NUMBER 863492A APC PLANT ID 50024

(Plant Location)

Anon (Mailing Address)

Into parel cale conselled

FLOWEN GILS DELAWARE VALLEY INC. 1800 CARMAN ST. CAHDEN NJ 08105

Division of Envisor pental Onding

1800-1900 CARMAN ST-CAMDEN

Applicant's Designation of Equipment C3

N.J. Stack No. 024

No. of Stacks 001

No. of Sources 01 Expiration 11/24/91

Original Approval 11/24/86

(中で) (Effective 11/24/86

PERMIT TO CONSTRUCT, INSTALL OR ALTER CONTROL APPARATUS OR EQUIPMENT AND

CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT (CONDITIONAL 5 YEAR DIRECT)

THIS PERMIT AND PERMANENT (5 YEAR) CERTIFICATE IS BEING ISSUED UNDER THE AUTHORITY OF CHAPTER 106. P.L. 1967 (N.J.S.A.26:2C-9.2). AND IS BEING ISSUED WITHOUT A FIELD INSPECTION. HOWEVER, FIELD INSPECTIONS ARE SCHEDULED FOR THE FUTURE AND APPROPRIATE ACTIONS WILL BE TAKEN IF SUCH INSPECTIONS DISCLOSE DEVIATIONS FROM YOUR APPLICATION.

YOU MAY BE ENTITLED TO AN EXEMPTION OF TAXATION IF YOUR EQUIPMENT IS TAXED AND IS CONSIDERED TO BE AN AIR POLLUTION ABATEMENT FACILITY. A TAX EXEMPTION APPLICATION MAY BE OBTAINED FROM THIS SECTION.

IF IT IS NECESSARY TO AMEND YOUR EMERGENCY STANDBY PLANS. PLEASE CONSULT WITH THE APPROPRIATE FIELD OFFICE. (SEE OTHER SIDE)

THIS DOCUMENT MUST BE READILY AVAILABLE FOR INSPECTION AT THE PLANT.

THE FOLLOWING CONDITION(S) APPLY TO THIS (5 YEAR DIRECT) PERMIT AND CERTIFICATE:

1. THE OWNER OR OPERATOR SHALL NOT CONSTRUCT, INSTALL, USE OR CAUSE TO BE USED THIS EQUIPMENT IN A MANNER WHICH WILL RESULT IN ODORS BEING DETECTABLE BY SENSE OF SMELL IN ANY AREA, EXCEPT FOR THOSE AREAS OVER WHICH THE OWNER OR OPERATOR HAS EXCLUSIVE USE OR OCCUPANCY.

503

N.J. Department of Environmental Protection Division of Environmental Quality CN-027 Trenton, New Jersey 08625

Approved by:

Supervisor

New Source Review Section





## OF ENVIRONMENTAL PROTECTION

## DIVISION OF ENVIRONMENTAL QUALITY AIR POLLUTION CONTROL PROGRAM BUREAU OF ENGINEERING AND TECHNOLOGY

# All Correspondence must indicate your APC PLANT ID NUMBER

Permit/Certificate Number 076278

LOG NUMBER 863490A

APC PLANT ID 50024

(Mailing Address)

(Plant Location)

જાર્સ દેશ ક**ોલ્સ**ેલ્ડ

FLOWEN OILS DELAWARE VALLEY 1800 CARMAN ST-CANDEN

08105

1800-1900 CARMAN ST CAMDEN

Applicant's Designation of Equipment C1

N.J. Stack No. 022 Original Approval 11/24/86

No. of Stacks 001 Effective 11/24/86

No. of Sources 01 Expiration 11/24/91

PERMIT TO CONSTRUCT, INSTALL OR ALTER CONTROL APPARATUS OR EQUIPMENT AND

CERTIFICATE TO OPERATE CONTROL APPARATUS OR EQUIPMENT (CONDITIONAL 5 YEAR DIRECT)

THIS PERMIT AND PERMANENT (5 YEAR) CERTIFICATE IS BEING ISSUED UNDER THE AUTHORITY OF CHAPTER 106. P.L. 1967 (N.J.S.A.26:2C-9.2), AND IS BEING ISSUED WITHOUT A FIELD INSPECTION. HOWEVER, FIELD INSPECTIONS ARE SCHEDULED FOR THE FUTURE AND APPROPIATE ACTIONS WILL BE TAKEN IF SUCH INSPECTIONS DISCLOSE DEVIATIONS FROM YOUR APPLICATION.

YOU MAY BE ENTITLED TO AN EXEMPTION OF TAXATION IF YOUR EQUIPMENT IS TAXED AND IS CONSIDERED TO BE AN AIR POLLUTION ABATEMENT FACILITY. A TAX EXEMPTION APPLICATION MAY BE OBTAINED FROM THIS SECTION.

IF IT IS NECESSARY TO AMEND YOUR EMERGENCY STANDBY PLANS. PLEASE CONSULT WITH THE APPROPRIATE FIELD OFFICE. (SEE OTHER SIDE)

THIS DOCUMENT MUST BE READILY AVAILABLE FOR INSPECTION AT THE PLANT-

THE FOLLOWING CONDITION(S) APPLY TO THIS (5 YEAR DIRECT) PERMIT AND CERTIFICATE:

1. THE OWNER OR OPERATOR SHALL NOT CONSTRUCT, INSTALL, USE OR CAUSE TO BE USED THIS EQUIPMENT IN A MANNER WHICH WILL RESULT IN ODORS BEING DETECTABLE BY SENSE OF SMELL IN ANY AREA, EXCEPT FOR THOSE AREAS OVER WHICH THE OWNER OR OPERATOR HAS EXCLUSIVE USE OR OCCUPANCY.

504

J. Department of Environmental Protection Division of Environmental Quality CN-027

Trenton, New Jersey 08625

Approved by:

New Source Review Section

Supervisor

# Flowen Oil Delaware Valley Inc



1800 Carman Street, Carnden, N.J. 08105 • Telephone (609) 365-5544

**REC'D** UCT 11 1988

October 11, 1988

Camden County Municipal Utilities Authority 1645 Ferry Avenue P.O. Box 1432 Camden, NJ 08101

Reference: NJPDES Permit Application for Flowen Oil

Delaware Valley Inc.

#### Gentlemen:

Under New Jersey DEP Regulation, we are required to make application for the above mentioned permit for the facility.

Part of the application requires a certification by the necessary Sewerage Authority, in this case, CCMUA.

We, therefore, request your signatures of an authorized person in Sections C & D of the supplement to Standard Application Form CP#1.

Please add any endorsements or qualifications which you may feel appropriate.

Since fely,

Archie A. Ross Vice-President

AAR: jlw

Enclosures





# Sinte of New Jersey

# DEPARTMENT OF ENVIRONMENTAL PROTECTION

# STANDARD APPLICATION FORM (CP #1) CONSTRUCTION AND DISCHARGE PERMITS

FOR	OF	FICI	AL	USE
4//				-

READ	REQU	IREM	ENTS
DIFA	SE PR	NT OF	TYPE

041	Dolaware Valley	Telephone (6	09, 365-5544	-
pplicant/Owner Flowen Oil	Delawaic Valley			-
		J	<b>Zip Code</b> 08105	_
City or Town <u>Camden</u>			•	
Same		Telephone (	)	_
Applicant/Operator Same				<del>-</del>
	State		Zip Code	_
City or Town				
Co-permittee* N/A		Telephone (	1	_
Co-permitteePermanent Legal Address			Zip Code	_
City or Town	State		ZD C000	
City or 10wn	wen Oil Delaware	Vallev		
Location of Work SiteFlo	wen Oll Delaware	V41201		<del>-</del>
F II seekeelik				<del></del>
Company 1800	Carman Street .			
Table 1 Block	k No. 1431	N.T	Zip Code 08105	
Camden Camden	State		Co	
Municipality City of Camde	County	Caniden	<u> </u>	
		Coil Scientist (S	loeciiv)	
If applicable, give name of: Engineer	Sulveyor/Well Duller/Geologist	1308 300 lines. 1-	<b>#/</b> /	
		N.J. Lice	se No. GE 31994	
Name Richard D. G	alli, P.E.	P C		
		NY	Zip Code_11768	
	9/6/4 <sup></sup>			
City or Town Northport	County	Suffolk		
City or Town North DOTT	ntingron	Suffolk		
City or Town North DOTT	ntingron	Suffolk		
Municipality Town of Hu Telephope ( 516 754-0396	nfingfon	Suffolk	Per	
Municipality Town of Hu Telephone ( 516 754-0396	TPDES/SIU	Suffolk		
Municipality Town of Hu Telephone ( 516 754-0396	TPDES/SIU	Suffolk		
Municipality Town of Hu Telephope ( 516 754-0396	TPDES/SIU	Suffolk		
City or Town Northbott  Municipality Town of His Telephone (51)6.754-0396  This is an application for N (Name of permit, certification, approx	JPDES/SIU val or exemption. See Item 9, n	Suffolk		
City or Town Northbott  Municipality Town of His  Telephone ( 516 754-0396  This is an application for N  (Name of permit, certification, approx	JPDES/SIU val or exemption. See Item 9, n	Suffolk		
City or Town Northbort Municipality Town of His Telephone (51)6.754-0396  This is an application for Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort Northbort North	JPDES/SIU val or exemption. See Item 9, n	Suffolk		
City or Town Northbort Municipality Town of His Telephone (51)6.754-0396.  This is an application for N (Name of permit, certification, approx 5. Fee is attached (if applicable). \$	JPDES/SIU val or exemption. See Item 9, n N/A	Suffolk extpage.)	Per	
City or Town Northbort Municipality Town of His Telephone (51)6.754-0396.  This is an application for N (Name of permit, certification, approx 5. Fee is attached (if applicable). \$	JPDES/SIU val or exemption. See Item 9, n N/A	Suffolk extpage.)	Per	
City or Town Northbort Municipality Town of His Telephone (506.754-0396.  This is an application for N (Name of permit, certification, approximate to the series of permit of the series of permit of the series of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project of project	JPDES/SIU val or exemption. See Item 9, n N/A	Suffolk extpage.)	Per	
City or Town Northbort  Municipality Town of His Telephone ( 516 754-0396  This is an application for N (Name of permit, certification, approx  5. Fee is attached (if applicable). \$	iJPDES/SIU  val or exemption. See Item 9, n  N/A  ect:  total cost of the project portion for which this p	Suffolk.  ext page.)  ermit is requested	Per	
City or Town Northbort  Municipality Town of His Telephone ( 516 754-0396  This is an application for N (Name of permit, certification, approx  5. Fee is attached (if applicable). \$	iJPDES/SIU  val or exemption. See Item 9, n  N/A  ect:  total cost of the project portion for which this p	Suffolk.  ext page.)  ermit is requested	Per	
City or Town Northbott  Municipality Town of His Telephone ( 516 754-0396  This is an application for N (Name of permit, certification, approx  5. Fee is attached (if applicable). \$	iJPDES/SIU  val or exemption. See Item 9, n  N/A  ect:  total cost of the project portion for which this p	Suffolk.  ext page.)  ermit is requested	Per	
City or Town Northbott  Municipality Town of His Telephone ( 51)6 754-0396  This is an application for N (Name of permit, certification, approx  5. Fee is attached (if applicable). \$	JPDES/SIU  val or exemption. See Item 9, n  N/A  ect:  total cost of the project portion for which this p	ext page.)  ermit is requested aNo	Per	
City or Town Northbort  Municipality Town of His Telephone (51)6.754-0396  This is an application for N (Name of permit, certification, approx  5. Fee is attached (if applicable). \$	JPDES/SIU  val or exemption. See Item 9, n  N/A  ect:  total cost of the project portion for which this p	ext page.)  ermit is requested aNo	Per	
City or Town Northbott  Municipality Town of His Telephone ( 51)6 754-0396  This is an application for N (Name of permit, certification, approx  5. Fee is attached (if applicable). \$	IJPDES/SIU  val or exemption. See Item 9, n  N/A  ect:  total cost of the project portion for which this p  public notifications. N/A Ye  Stream Encroachment application	ext page.)  ermit is requestedNo	PerPer	mit
City or Town Northport  Municipality Town of His Telephone (51)6.754-0396  This is an application for N (Name of permit, certification, approx  5. Fee is attached (if applicable). \$	IJPDES/SIU  val or exemption. See Item 9, n  N/A  ect:  total cost of the project portion for which this p  public notifications. N/A Ye  Stream Encroschment application	ext page.)  ermit is requestedNo	PerPer	mit
City or Town Northbott  Municipality Town of His Telephone (51)6.754-0396  This is an application for N (Name of permit, certification, approx  5. Fee is attached (if applicable). \$	IJPDES/SIU  val or exemption. See Item 9, n  N/A  ect:  total cost of the project portion for which this p  public notifications. N/A Ye  Stream Encroachment applications.  Supply Incoming	ext page.)  ermit is requestedNo	Per	mit
City or Town Northbott  Municipality Town of His Telephone (51)6.754-0396  This is an application for N (Name of permit, certification, approx  Northbott  Town of His Town of His Northbott  N (Name of permit, certification, approx  S. Fee is attached (if applicable). \$	IJPDES/SIU  val or exemption. See Item 9, n  N/A  ect:  total cost of the project portion for which this p  public notifications. N/A Ye  Stream Encroschment application  Supply Incoming (Water Treatment Plant)N/A	ext page.)  ermit is requested asNo  ons, &c. must be a waste & No	per completed.) I American Wat	mit
City or Town Northbott  Municipality Town of His Telephone (51)6.754-0396  This is an application for N (Name of permit, certification, approx  Northbott  Town of His Town of His Northbott  N (Name of permit, certification, approx  S. Fee is attached (if applicable). \$	IJPDES/SIU  val or exemption. See Item 9, n  N/A  ect:  total cost of the project portion for which this p  public notifications. N/A Ye  Stream Encroschment application  Supply Incoming (Water Treatment Plant)N/A	ext page.)  ermit is requested asNo  ons, &c. must be a waste & No	per completed.) I American Wat	mit
City or Town Northbott  Municipality Town of His Telephone (51)6.754-0396  This is an application for N (Name of permit, certification, approx  Northbott  Town of His Town of His Northbott  N (Name of permit, certification, approx  S. Fee is attached (if applicable). \$	IJPDES/SIU  val or exemption. See Item 9, n  N/A  ect:  total cost of the project portion for which this p  public notifications. N/A Ye  Stream Encroschment application  Supply Incoming (Water Treatment Plant)N/A	ext page.)  ermit is requested asNo  ons, &c. must be a waste & No	per completed.) I American Wat	mit
City or Town Northbott  Municipality Town of His Telephone (51)6.754-0396  This is an application for N (Name of permit, certification, approx  Northbott  Town of His Town of His Northbott  N (Name of permit, certification, approx  S. Fee is attached (if applicable). \$	IJPDES/SIU  val or exemption. See Item 9, n  N/A  ect:  total cost of the project portion for which this p  public notifications. N/A Ye  Stream Encroachment applications.  Supply Incoming	ext page.)  ermit is requested asNo  ons, &c. must be a waste & No	per completed.) I American Wat	mit
City or Town Northbort  Municipality Town of His Telephone (51)6.754-0396  This is an application for N (Name of permit, certification, approx  5. Fee is attached (if applicable). \$	IJPDES/SIU  val or exemption. See Item 9, no.  N/A  ect:  total cost of the project portion for which this p  public notifications. N/A Ye  Stream Encroachment application  Supply Incoming (Water Treatment Plant)N/A  ay, Pond or Lake N/A  atment Facility CCMUA, C	ext page.)  ermit is requested aNo  ons, &c. must be a waste & No amden Tre	completed.)  J American Watatment Works	mit



ront Developmen	t (Hibsusu)			APPLICATION STATUS (Pending - Approved)	PROJECT #
ront Developmen ids use Water version:	t (Hibsusu)				•
ids ise Water	g (Ripanan)				
se Water		, 4 = 0 + 4 + 6 + 6 + 6 + 6 + 6 + 6 + 6 + 6 + 6	*****	••	
ersion:		••••••	*****************	••	
Water Supply fo	r Public USS for Private Us		***********************************		
Rubsurface/Perox	DREEDED ASSESSMENT	of Lines of			
Drilling			*************	•	is a second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second seco
eren Water Low	re: #14 vering				
ruct/Modify, Oper	ATO PUDITE PULL	DIE 115151 1151	a december		
action between an	SODIGNED Menel	soften and in.			
r Quality Certific	<b>::::</b> ::::::::::::::::::::::::::::::::	000000000000000000000000000000000000000			
m Encroachmer	16	*******	•••••		
y Systems: Colk	ectors, Pump a	DELICE, Therese	400000000000000000000000000000000000000		
ration from Sew	er pen			<del></del> -	
Weste Permits	(2beспу)			- attached	sheet
Quality Permits	(Specify)			e. allautet	
were and Rarkan	CEURI LAMANA C	Mid Collinson	O		
lands Certificati	s' permits	****			
el Permits	4==1:0:0:3:0:0:0:0:0:0:0:0:0:0:0:0:0:0:0:0:	+=+iis TSI	Facility"	EPA ID N	JD 980536
eral Permits	Intellu	CA CAD		State ID	0408B
	•				
d Description of the	e Proposed Proj	ect and Intende	d Use:		
Downittin	a of the	discharge	e to the Ca	mden Count	y Municip
Permittin	g_,or che		_		
Utilitie	s Authori	ty sewer	system of	the follow	rua:
2) stc	orm runof	f treated	by oil/wat	er seperat	ors
		15	coming wast	a waterl	•
	Drilling	Drilling	Drilling	Drilling  anent Water Lowering  bruch/Modify, Operate Public Potable Water Works  cruch/Modify, Operate Public Potable Water Supply and non-approved supply  cruch/Modify, Operate Public Potable Water supply and non-approved supply  cruch/Modify, Operate Public Potable Water supply and non-approved supply  cruch/Modify, Operate Public Potable Water supply and non-approved supply  cruch/Modify, Operate Public Potable Water supply and non-approved supply  cruch/Modify, Operate Public Potable Water supply and non-approved supply  cruch/Modify, Operate Public Potable Water supply and non-approved supply  cruch/Modify, Operate Public Potable Water supply and non-approved supply  cruch/Modify, Operate Public Potable Water supply and non-approved supply  cruch/Modify, Operate Public Potable Water supply and non-approved supply  cruch/Modify, Operate Public Potable Water supply and non-approved supply  cruch/Modify, Operate Public Potable Water supply and non-approved supply  cruch/Modify, Operate Public Potable Water supply and non-approved supply  cruch/Modify, Operate Public Potable Water supply and non-approved supply  cruch/Modify, Operate Public Potable Water supply and non-approved supply  cruch/Modify, Operate Public Potable Water supply and non-approved supply  cruch/Modify, Operate Public Potable Water supply and non-approved supply  cruch/Repair Dam  cruch/Repair Dam  cruch/Repair Dam  cruch/Repair Dam  cruch/Repair Dam  cruch/Repair Dam  cruch/Repair Dam  cruch/Repair Dam  cruch/Repair Dam  cruch/Repair Dam  cruch/Repair Dam  cruch/Repair Dam  cruch/Repair Dam  cruch/Repair Dam  cruch/Repair Dam  cruch/Repair Dam  cruch/Repair Dam  cruch/Repair Dam  cruch/Repair Dam  cruch/Repair Dam	Drilling

d in this document is true, accurate and complete, I am es for submitting false, insccurate or incomplete infor-
d in this document is true accurate and complete infor- es for submitting false, rescurate or incomplete infor-
. // 0
MAN
MICO CONTROL
Signature of Applicant/Owner
1 100
10/11/88
Date
AVN/I)
Signature of Applicant/Operator
In /118 }
10/11/8 8
Date
of Co.comittee
Signature of Co-permittee
Date
SEMENTS
pecific endorsements of owners, agents, nay be required for your permit.
nay be required for your permit.
a value of the Standard
in the "Requirements" section of the Standard with the appropriate DEP agency.
with the appropriate DEP agency.
Heeseses
•
•
Property Owner's Name
and work is to be done. I his enduration
the proposed activity.
shall certify:
shall certify: No
shall certify: No
shall certify:  sement — Yes
shall certify:  sement — Yes
shall certify: No
shall certify:  sement — Yes (Initial) (Initial)  pipeline, roadway, cable, transmission line, etc.) will be located
shall certify:  sement — Yes
shall certify:  sement — Yes No
shall certify:  sement — Yes
shall certify:  sement — Yes
shall certify:  sement — Yes No
shall certify: sement — Yes(Initial) (Initial) , pipeline, roadway, cable, transmission line, etc.) will be located w Jersey.  Yes No(Initial)  Type or Print Name and Address of Owner, if different from item 1 on Page 1
shall certiny: sement — Yes
shall certify: sement — Yes(Initial) (Initial) , pipeline, roadway, cable, transmission line, etc.) will be located w Jersey.  Yes No(Initial)  Type or Print Name and Address of Owner, if different from item 1 on Page 1

		of the facility are distinct parties)
h	ereby agree that any treatment works or	onstructed to meet the NPDES/NOPDES perfine discharge (s) will meet the
•	filuent similations as described in the NF	DESMUPUES permit as assect.
	10/11/88	HOT)
•	(Date)	(Signature of Applicant/Owner)
	<del></del>	
•	(Date)	(Signature of Applicant/Operator)
		•
	(Date)	(Signature of Co-permittee)
	PARTY RESPONSIBLE FOR THE (Sewer Extensions, Treatment Works A Name of Developer	CONSTRUCTION OF THE PROPOSED FACILITY opprovals)
	PARTY RESPONSIBLE FOR THE (Sewer Extensions, Treatment Works A) Name of Developer	CONSTRUCTION OF THE PROPOSED FACILITY opprovals)

Form CP-1 Item 9.20 Air Quality Permits

The following certificates are in effect at this facility. The APC Plant ID # is 50024.

~510

## L.

# STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES



# NEW JERSEY POLLUTANT DISCHARGE ELIMINATION SYSTEM SUPPLEMENT TO THE STANDARD APPLICATION FORM CP #1



# APPLICATION TO DISCHARGE WASTEWATERS AND RESIDUALS TO THE STATE'S LAND AND WATER

Answer all questions. Please print or type.

Sanitary Surface Water Discharge Industrial/Commercial Surface Water Discharge		
Industrial/Commercial Surface Water Lischarge		
	· <del></del>	
Thermal Surface Water Discharge		
t and Application of Studge and Septage	<del></del>	
I and Application of Industrial Waste Residual		
Landfill - Industrial/Commercial Waste		
Spray Irrigation - Industrial		
Overland Flow - Industrial		
Infiltration/Percolation Lagoon - Industrial		
Surface Impoundment - Industrial		
Inderground Injection (UIC) - industrial	NO	Existing Source
Indirect Discharge to POTW (SIU)		
Subsurface Disposal - Industrial	<del></del>	
Community Septic System	<del></del>	
Landfill - Municipal/Sanitary		
Spray Irrigation — Sanitary		
Overland Flow - Sanitary		
Infiltration/Percolation Lagoon - Sanitary		
Surface Impoundment - Senitary		
Underground Injection (UIC) - Sanitary		
. Dredge Spoils		-
. Sludge Processing/Distribution Facility	NO	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s
Oil/Water Separators		
. Confidentiality Request		
2. 316 Variance Work		
Residuals Transfer Facilities		
. Municipal Solid Waste Transfer Facility		
2. Senitary Studge Storage Pacinty 3. Residuals Infiltration/Percolation Lagoon		-
Residuals Surface Impoundment	-	
5. Group I — Stormwater Runoff		
- se Comment Stormweigt KUN	off	
Took		
7. Underground Storage same  Lautude N 3		Longitude W 75°5'58"

River Basin

3-4 drums/mo

ech edditional sheets if Flowen	Energy Corp.		Telephone	No(40	9)8	83-0926	-
P P	O Box 2440		· .				-
or Or	ange	State	Texas	Zip Coc	ke	77630	-
,							
	This person must be responsib					5-5511	
ne <u>Archie</u>	Ross		Telephone	: No	1 30	· .	-
iress of Operator	800 Carman Stree	E	N.T	*: 0	. (	8105	-
y or TownCa	amden	State	NO.	Др Со			-
200 1000-17	• • • • •	Public Facilit Private Facili		rernment subdir	rision)		
it in order of <del>pri</del> ority a	II Standard Industrial Codes (S	SIC) which best	reflect the p	principal produ	ts or se	ervices provided	
the facility.				on cenvice		MUED	
<u>\$1C</u>				OR SERVICE			
2992			Oily	wastewat	er p	rocessing	-
applicable, identify all	administrative orders, temporations concerning pollution issue	ary or permane	ent injunction acility during	ns, civil adminis g the last five (5	trative ) years	penalties, civil	_
enalties, or criminal act	ions concerning pollution asset	ary or permane against the f		ns, civil adminis g the last five (5	trative ) years RESU		
malties, or criminal act	ENT ACTION	DATE OF AC	TION		RESU		<del>-</del> L <u>e</u> ter
enalties, or criminal actions and section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the se	ENT ACTION  8 2-12-23/5/0260	DATE OF AC	TION		RESU	ULT	<u>-</u> L <u>e</u> ter
enalties, or criminal actions and section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the se	ENT ACTION	DATE OF AC	TION		RESU	ULT	<u>e</u> ter
ENFORCENE  USCG Cases	ENT ACTION  8 2-12-23/5/0260	DATE OF AC	TION		RESU	ULT	<u>e</u> ter
ENFORCENE  USCG Cases  and 83-03-	ENT ACTION  5 82-12-23/5/0260  -30/5/0076	1982/8	TION 3	Di	spos	ition und	<del></del>
ENFORCENE  USCG Cases  and 83-03-	ENT ACTION  5 82-12-23/5/0260  -30/5/0076	1982/8	TION 3	Di	spos	ition und	<del></del>
ENFORCEME USCG Cases and 83-03-	ENT ACTION  S 82-12-23/5/0260  -30/5/0076  atlons involved in the storage of altimate disposal sites of solid of	1982/8	TION  3  id waste at the generated by	Di	RESU Spos	ition und	<del></del>
ENFORCEME USCG Cases and 83-03-  If applicable, list all locs being made and the users	ENT ACTION  8 82-12-23/5/0260  -30/5/0076  actions involved in the storage columnate disposal sites of solid co	1982/8	TION  3  id waste at the generated by	Di ne facility for why the facility be	RESU SPOS	ition und ition und inition un	<del></del>
ENFORCEME USCG Cases and 83-03-	ENT ACTION  8 82-12-23/5/0260  -30/5/0076  actions involved in the storage columnate disposal sites of solid co	1982/8	TION  3  id waste at the generated by	Di ne facility for way the facility be	spos	NIPDES application.  SITE(S).	<del></del>
ENFORCEME USCG Cases and 83-03-  If applicable, list all locs being made and the users	ENT ACTION  8 82-12-23/5/0260  -30/5/0076  actions involved in the storage columnate disposal sites of solid co	1982/8	TION  3  id waste at the generated by	Di ne facility for we y the facility be PLTIMATE DIS Chem Net	spos	NIPDES application.  SITE(S).	<del></del>
ENFORCEME USCG Cases and 83-03- If applicable, list all locks being made and the use.	ENT ACTION  8 82-12-23/5/0260  -30/5/0076  actions involved in the storage of altimate disposal sites of solid of AGE SITE(S)  plan	1982/8	id waste at the generated by	Di  ne facility for way the facility be  PLTIMATE DIS  Chem Net  EPA ID M	spos  nich the ing per  POSAL  Ser  ID 0	NIPDES application.  SITE(S)  vices 96913194	eation
ENFORCEME USCG Cases and 83-03-  If applicable, list all loc is being made and the u  See plot	ENT ACTION  8 82-12-23/5/0260  -30/5/0076  ations involved in the storage of litimate disposal sites of solid of AGE SITE(S)  plan	DATE OF AC  1982/8:  of solid or liquior liquid waster	d waste at the generated by	Di  the facility for why the facility be  ULTIMATE DIS  Chem Net  EPA ID M  er month a	spos  nich the ing per  POSAL  Ser  ID 0	NIPDES application.  SITE(S)  vices 96913194	eation
ENFORCEME  USCG Cases and 83-03-  If applicable, list all loc is being made and the u  See plot  If applicable if any, given	ENT ACTION  8 82-12-23/5/0260  -30/5/0076  actions involved in the storage of altimate disposal sites of solid of AGE SITE(S)  plan	DATE OF AC  1982/8:  of solid or liquior liquid waster	d waste at the generated by	Di  the facility for why the facility be  Chem Net  EPA ID M  er month at	spos  nich the ing per  POSAL  Ser  ID 0	NIPDES application.  SITE(S)  vices 96913194	eation

512

**E** 

FOR WCAL CJ

#### STATE OF NEW JERSEY

# DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES

NEW JERSEY POLLUTANT DISCHARGE ELIMINATION SYSTEM (NJPDES)
SUPPLEMENT TO THE STALLDARD APPLICATION FORM CP # 1

# **ENDORSEMENTS**

NOTICE: The following citation relates to violations of the Water Pollution Control Act.

N.L.S.A. 58:10A-10 Violations; remedies, fines and penalties; enforcement

- Paragraph (f) . "Any person who knowingly makes a false statement, representation, or certification in any application, record, or other document filed or required to be maintained under this act or who falsifies, tampers with or knowingly renders inaccurate, any monitoring device or method required to be maintained pursuant to this act, shall upon conviction, be subject to a fine of not more than \$10,000.00 or by imprisonment for not more than 6 months, or by both."
- A. Endorsements by the municipality in which the project is to be located.

# \*\*CERTIFICATION BY GOVERNING BODY

This project as proposed is in conformance with the requirements of all municipal ordinances and the Governing Body of this municipality/authority approves of the project as proposed by the applicant.

Signed*	gatherpoorter all the	,	
The second	A - 12-	-	****
	Print or Type:	Name and Title	Date

"NOTE:

Where a municipality har pressed a sewerage authority, utilities authority, municipal utilities authority of a joint meeting responsion or sewers in the area, the andoresement of the affected sewerage authority (1921) is requested for a sewer in sign approval.

or CC	permittee (when the Co-permittée is a	in all matters and since to me and invited the 4.5
	surse to act as my agenviepresentative	in all matters pertaining to my application the following person:
Nam	Richard D. Galli, P	Phone (516) 754-0396
	988_260_Main_St.	County Suffolk
CIV	Townsorthoart	State NY Zio/Code 11768
Occi	petion/Profession Consultin	g Engineer
	•	
		(Signature of Applicant Owner)
		(og mysterion)
		(Signature of Applicant/Operator)
		,_ <u> </u>
		(Signature of Co-permittee)
AGE	NT'S CERTIFICATION	
g	rn before me	
this		
	19	I agree to serve as agent for the above-mentioned applicant
	Notary Public	· (Signature of Agent )
	<u> </u>	
(Se L, th of t	wer Extensions, Treatment Works Appropriate Applicant/Owner Archie Rome facility and the operator of the facility co-permittee (when the Co-permittee is a	oss or Applicant/Operator (when the owner are distinct parties)
(Se L, th of t or ( agr	wer Extensions, Treatment Works Appropriate Applicant/Owner Archie Rome facility and the operator of the facility co-permittee (when the Co-permittee is a set that the works will be properly cons	oval, Water Works)  OSS or Applicant/Operator (when the owner pare distinct parties)
(Se L, th of t or ( agr	wer Extensions, Treatment Works Appropriate Applicant/Owner Archie Robe lecility and the operator of the facility co-permittee (when the Co-permittee is a set that the works will be properly conscilications, as approved, and the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the	oval, Water Works)  OSS  or Applicant/Operator (when the owner y are distinct parties) a local governmental unit) tructed and operated in accordance with the engineering plans and
(Se L, th of t or ( agr	wer Extensions, Treatment Works Appropriate Applicant/Owner Archie Robe lecility and the operator of the facility co-permittee (when the Co-permittee is a set that the works will be properly conscilications, as approved, and the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the	oval, Water Works)  OSS  or Applicant/Operator (when the owner y are distinct parties) a local governmental unit) tructed and operated in accordance with the engineering plans and
(Se L, th of t or ( agr	wer Extensions, Treatment Works Appropriate Applicant/Owner Archie Robe lecility and the operator of the facility co-permittee (when the Co-permittee is a set that the works will be properly conscilications, as approved, and the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the	or Applicant/Operator (when the owner are distinct parties) a local governmental unit) tructed and operated in accordance with the engineering plans and litions under which approval is granted by the State Department of
(Se L, th of t or ( agr	wer Extensions, Treatment Works Appropriate Applicant/Owner Archie Robe lecility and the operator of the facility co-permittee (when the Co-permittee is a set that the works will be properly conscilications, as approved, and the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the	or Applicant/Operator (when the owner are distinct parties) a local governmental unit) tructed and operated in accordance with the engineering plans and litions under which approval is granted by the State Department of (Signature-of-Applicant/Owner)
(Se L, th of t or ( agr	wer Extensions, Treatment Works Appropriate Applicant/Owner Archie Robe lecility and the operator of the facility co-permittee (when the Co-permittee is a set that the works will be properly conscilications, as approved, and the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the	or Applicant/Operator (when the owner are distinct parties) a local governmental unit) tructed and operated in accordance with the engineering plans and litions under which approval is granted by the State Department of
(Se L, th of t or ( agr	wer Extensions, Treatment Works Appropriate Applicant/Owner Archie Robe lecility and the operator of the facility co-permittee (when the Co-permittee is a set that the works will be properly conscilications, as approved, and the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the conditions of the	or Applicant/Operator (when the owner are distinct parties) a local governmental unit) tructed and operated in accordance with the engineering plans and litions under which approval is granted by the State Department of (Signature-of-Applicant/Owner)
(See L, th of the or (	e Applicant/Owner Archie Rome facility and the operator of the facility co-permittee (when the Co-permittee is a set that the works will be properly conscilications, as approved, and the conditionmental Protection.	or Applicant/Operator (when the owner or are distinct parties) a local governmental unit) tructed and operated in accordance with the engineering plans and litions under which approval is granted by the State Department of (Signature of Applicant/Operator)  (Signature of Applicant/Operator)
(Se I, the of the or ( agree Environment)	e Applicant/Owner Archie Rome facility and the operator of the facility co-permittee (when the Co-permittee is a set that the works will be properly conscilications, as approved, and the conditionmental Protection.  ATEMENT OF PREPARER OF P	or Applicant/Operator (when the owner or are distinct parties) a local governmental unit) tructed and operated in accordance with the engineering plans and litions under which approval is granted by the State Department of (Signature of Applicant/Owner)  (Signature of Applicant/Operator)  (Signature of Co-permittee)
(Se L, th of the or ( agr specific Environment)	e Applicant/Owner Archie Rome facility and the operator of the facility co-permittee (when the Co-permittee is a set that the works will be properly conscilications, as approved, and the conditionmental Protection.  ATEMENT OF PREPARER OF Pereby certify that the engineering place.	or Applicant/Operator (when the owner or are distinct parties) a local governmental unit) tructed and operated in accordance with the engineering plans and litions under which approval is granted by the State Department of (Signature of Applicant/Operator)  (Signature of Applicant/Operator)
(Se L, th of the or ( agr specific Environment)	e Applicant/Owner Archie Rome facility and the operator of the facility co-permittee (when the Co-permittee is a set that the works will be properly conscilications, as approved, and the conditionmental Protection.  ATEMENT OF PREPARER OF Pareby certify that the engineering plantingly with the current rules and regular	or Applicant/Operator (when the owner or are distinct parties) a local governmental unit) tructed and operated in accordance with the engineering plans and litions under which approval is granted by the State Department of (Signature of Applicant/Operator)  (Signature of Applicant/Operator)  (Signature of Co-permittee)  LANS. SPECIFICATIONS AND ENGINEER'S REPORT  ans. specifications and engineer's report applicable to this project tions of the State Department of Environmental Protection with the
(Se L, th of the or ( agr specific Entre	e Applicant/Owner Archie Rome facility and the operator of the facility co-permittee (when the Co-permittee is a set that the works will be properly conscilications, as approved, and the conditionmental Protection.  ATEMENT OF PREPARER OF Pareby certify that the engineering plantingly with the current rules and regular	or Applicant/Operator (when the owner are distinct parties) a local governmental unit) tructed and operated in accordance with the engineering plans and litions under which approval is granted by the State Department of (Signature of Applicant/Operator)  (Signature of Applicant/Operator)  (Signature of Co-permittee)  LANS. SPECIFICATIONS AND ENGINEER'S REPORT  ans. specifications and engineer's report applicable to this project
(Se L, th of the or ( ) agriculture Environment ( ) agriculture Environment ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture ( ) agriculture (	e Applicant/Owner Archie Rome facility and the operator of the facility co-permittee (when the Co-permittee is a set that the works will be properly conscilications, as approved, and the conditionmental Protection.  ATEMENT OF PREPARER OF Pareby certify that the engineering plantingly with the current rules and regular	or Applicant/Operator (when the owner or are distinct parties) a local governmental unit) tructed and operated in accordance with the engineering plans and litions under which approval is granted by the State Department of (Signature of Applicant/Operator)  (Signature of Applicant/Operator)  (Signature of Co-permittee)  LANS. SPECIFICATIONS AND ENGINEER'S REPORT  ans. specifications and engineer's report applicable to this project tions of the State Department of Environmental Protection with the
(Se Lith of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the or of the	e Applicant/Owner Archie Rome facility and the operator of the facility and the operator of the facility are the works will be properly conscilications, as approved, and the conditionmental Protection.  ATEMENT OF PREPARER OF Pereby certify that the engineering plantingly with the current rules and regular ceptions as noted.	or Applicant/Operator (when the owner or are distinct parties) a local governmental unit) tructed and operated in accordance with the engineering plans and litions under which approval is granted by the State Department of (Signature of Applicant/Operator)  (Signature of Applicant/Operator)  (Signature of Co-permittee)  LANS. SPECIFICATIONS AND ENGINEER'S REPORT  ans. specifications and engineer's report applicable to this project tions of the State Department of Environmental Protection with the
(Se L, th of the or ( ) agreement specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific specific speci	e Applicant/Owner Archie Rome facility and the operator of the facility and the operator of the facility are the works will be properly conscilications, as approved, and the conditionmental Protection.  ATEMENT OF PREPARER OF Pareby certify that the engineering plantingly with the current rules and regular ceptions as noted.	or Applicant/Operator (when the owner or are distinct parties) a local governmental unit) tructed and operated in accordance with the engineering plans and litions under which approval is granted by the State Department of (Signature of Applicant/Operator)  (Signature of Applicant/Operator)  (Signature of Co-permittee)  LANS. SPECIFICATIONS AND ENGINEER'S REPORT  ans. specifications and engineer's report applicable to this project tions of the State Department of Environmental Protection with the (Signature of Engineer)  Richard D. Galli, P.E.

B. SECITON L-2

This project or active Areawide Water been in ide by either appropriate).

reposed, has been reviewed by this agency in accordance with Management Plan (WQMP). The following determination has propriate designated WQMP agency, or the Department (where

NA	_	not	a	new	source oject is consistent with	Plan
					'roject is not inconsistent	
					oject is inconsistent wit	h Pian**

Name of Project	Authorized Signature
	•
Name of Plan	Name (Print or Type) Date
•	•
Name of Agency	Title

NOTE: For the name of the appropriate WOMP agency, or any other questions, contact the Division of Water Resources at (609) 984-4429.

- A finding of not inconsistent has the same effect as a finding of consistent.
- \*\* A finding of inconsistent must be accompanied by a letter describing the reason for the finding.

Sewer systems (interceptors, collectors, pump stations) for residential developments of 50 units or more and industrial/commercial and mixed use (including residential) developments having flows of 25,000 gpd or more, do require consistency determinations. Projects that are extensions or modifications to existing projects where the cumulative total for the project is greater than 50 units or 25,000 pgd, as appropriate, shall require a consistency determination (N.J.A.C. 7:15-1 et seq.)

Sewer systems to serve less than 50 units or less than 25,000 god do not require a consistency determination but must still be consistent with approved WQM/201 plans.

C. Endorsement by the Sewerage Agency in which the project is to be located.

#### CERTIFICATION BY THE 201 SEWERAGE AGENCY

This project as proposed is in conformance with the requirements of all Sewerage Agency rules and regulations and the applicable "201" Facilities Plan and the Coverning Body of this Sewerage Agency approves of the project as proposed by the applicant.

:	Name or treatment Plant	
Signed*		
•		
	•	
Print or Type:	Name and Title	Dete

Cite authorization to sign for the Sewerage Agency

Submit the resolution granting such authority to sign. If no such resolution granting authority to sign exists, the full resolution approved by the Sewerage Agency endorsing the project must be submitted with the application.

D. Endorsement by owner of the a satment plant receiving he wastewater.

#### CERTIFICATION BY OWNER

#### SEWAGE TREATMENT FAC! ITY

I (we) hereby certify that the sum of the DEP currently approved projects plus the actual metered flow for the

(name of the plant) does not exceed the present design capacity. I (we) further certify that with the addition of this project, the approved design capacity will not be exceeded. Further I (we) certify that the treatment plant is currently complying with its New Jersey Pollutant Discharge Elimination System permit (NPDES) requirements and should continue to do so with the additional flow from this project.

	Print or Type:		Name and T	ale		Date	
	Dennis W.	Palmer	Director	of Operati	ons & Main	tenance	10-12-88
-							
Signed*		km	4/1	hu			
<b>CCO</b> CO	7	7	Nee 6 df	Treatment Plan	t		<del></del> -
Endorse	d by Camden	Sounty	Municipal	Utilities	Authority	Main P	lant

- E. 1) Pursuant to N.J.S.A. 58:10A-6 and N.J.A.C. 7:14A-12.1 et seq., no person may build, install, modify or operate any facility for the collection treatment or discharge of any pollutant, including any "extension" as defined in the regulations without the prior approval of the Department.
  - Approvals, permits, service contracts or other reservation of capacity issued or agreed to by any participating municipality or sewerage agency does not constitute the required approval of the Department.
  - For computation of actual flow at the sewer plant, the average flow processed by the facility for the four (4) month period immediately proceeding the submission shall be used. Under NJPDES Regulations no application shall be submitted if the waste treatment facility is not meeting its discharge permit limits. Under Sewer Ban Regulations, no project is to be submitted if the sewer plant is committed to 100% of its design capacity.
  - The owner of the sewage treatment plant shall submit to NJDEP on a quarterly basis the status of sewage flow entering the plant including all outstanding approved sewer extension permits not yet on line. These reports will be used for tracking capacity at the receiving sewage treatment plant. See Form WQM-007.

# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WATER RESOURCES



# APPLICATION FOR PERMIT TO DISCHARGE TO A DOMESTIC TREATMENT WORKS

Name	Flowen Oil Delaware V	alley		2. D.E.P. ID No. (Offici	al Use Only)
Used	Camden Treatment Works	Sewer System Own	ner . Munic	Treatment Plant Owner CCMUA	
pplication	must include: (See Instructions)	UCIT. AUC	Sée Plan c. Line	Drawing attach	ed
ae Flows	and Treatment (For Each Discharge to I	DTW System)		C. TREATMENT	
ALL -	B. OPERATION CONTRIBUTION	2. Average Flow		Description	2. Codes From Table I
er No.)	1. Operations (List)	(Include Units)			1,000
	Sanitary (7 People)	200 gpd	None		
001				<u> </u>	
		<u>,</u>			tion N/a
	Processing of incomin				N/A
001	oily wastewater	Yr 2:28,000		filtration	N/A
	(Figures based on exp				
	business growth)	Yr 4:and t	ereafter		
		50,000gpd		.,	
•	Storm runoff	Q=CiA=	Oil/Wate	er seperator	N/A
001		(0.9)(7 in	hr)(0.8 a	cres)	
		= 5cfs,pe			
termittent	Flow (Complete if any discharge descri	bed in 5, above is inte	mittent or sessor		man a
ITFALL no or No.1	OPERATIONS CONTRIBUTING FLOW	FREQUENCY	DURATION	Phase and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the se	TOTAL VOLUM
	Storm runoff		<del> </del>	5 cfs,peak	
				based on 10	у
				storm.	
•				and a set a Section	al Act engly
leximum Pi	roduction / An area deadline)	Yes (Complete	78) KLINO (	Section 304 of the Feder (Go to Item 8)	
re the limi	terions in the applicable effluent guideli	ine expressed in terms	of production (o	r other measure of opera	
answer to	7B is Yes, list quantity which represent cable effluent guideline.	ts a reasonable measur	e of actual produ		
TITY PE		OPERATIONS,	PRODUCT, MATE	RIAL, ETC.	AFFECTED OUTFAL
<del></del>					233
			·	*	517

# APPLICATION FOR PERMIT TO DISCHARGE TO A DOMESTIC TREATMENT WORKS

	or practi	ces, or connec	ion to a L	)TW			PINAL COI	4211.0
INTIFICATION OF ON, AGREEMENT, E		FFECTED OUT		9680	RIPTION		Required	Proje
ON, AGREEMENT, E	No.	Source	<u> </u>					
	1							
							1	1
						<u> </u>		<del>                                     </del>
•	1	}						<u> </u>
								-
	į				•			
ffluent Data - Part A	-	1		Discharge Point	(Name or No.)			
PARAMETERS	一十一							
Give quentity in som or me	^1)						·	
ochemical Oxygen Dema	nd	<b>7.</b> 1 0	See a	ttached copies	of lab re	esults		
		Item 9 -				1		
hemical Oxygen Demand	l_		Addit	ional analyses	of UF pe	rmeate		
otal Organic Carbon		<del></del>	will	be forwarded.				
our organic curon								
otal Suspended Solids	ŀ							
otal Dissolved Solids								
OCH DISOLAG SOUCE								
onie (as N)	1							
/OC) 5:					•			
Temperature (°C) - Summ								
(°C) - Winte	r		}					
pH (in standard units)				•				
Effluent Data - Part B		<u> </u>	1			Avana	LE QUANTIT	ATIVE DAT
OUTFALL (Name or No.)	PARAME	TER		REASON POLLUTANT EXP	ECTED	AVAILA	LE GOZATTI	
						1		
			<del>                                     </del>					
			1					
			<del></del>			<del> </del>		
			1	·	·			
							•	4
			ļ			-		518
			1					
Complete Part C and Par	t D accor	ding to instruc	tions. Inc	lude <u>ell ettechments requ</u>	ired in the instr	uctions.		
	eity of len	w that I have p	ersonally (	exemined and am familiar	with the information	nation aubmi	ing the inform	nation
				those individuals immediand complete. I am swan		TW R.L.C. ESESTABLE)	TITE FILE STATES	

400. 215- 554U

# SECTION L-3 THE CAMDEN COU TY MUNICIPAL UTILITI 3 AUTHORITY

1645 FERRY AVENUE • P.O. BOX #1432 • CAMDEN, NEW JERSEY 08101-1432 • (609) 541-3700

CERTIFIED MAIL



January 1, 1987

Mr. A. Ross
Flower Dil Delaware

Flower Oil Delaware Valley Inc. 1800 Carmen Street Camden, N.J. 08105

SUBJECT: INDUSTRIAL FRETREATMENT FINAL FERMIT

Dear Mr. Ross:

Enclosed is a FINAL Industrial Permit (IFF FERMIT) for the subject facility to discharge to the Camden County Municipal Utilities Authority ("The Authority") issued in accordance with Federal (40 CFR 403.8) and State (N.J.A.C. 7:14A-13.1 (a) et. seg. Regulations. Violations of any conditions of the final permit by the subject facility may result in the imposition of penalties of pursuant to the Rules and Regulations of this Authority's Industrial Fretreatment Program.

Furthermore, this Authority shall, in addition to the powers and duties vested in it by the above referenced acts, have the power to enter, inspect, and sample any building or place for the purpose of investigating an actual or suspected source of pollution of the environment and ascertaining compliance or non-compliance with the Rules and Regulations of this Authority's Industrial Pretreatment Program.

For an existing facility the issuance of an IFP Permit is the implementation mechanism by which pollutant discharges are brought into compliance with appropriate standards of limits. In addition, the purpose is to have discharge of wastewater to be compatible with the Authority's Treatment facilities.

Please note that this permit becomes effective as of the date stated on the permit. Applications for renewal of this permit must be submitted at least ninety (90) days prior to the expiration of this permit.

If you have any questions pertaining to this permit, please contact Barclay W. Conrad, IFP Coordinator or Paul G. Gorecki, Assistant IFP Coordinator at 541-5200, ext. 24.

Very Truly Yours

Herman B. Engeloert, Executive Director

HBE/cv

cc: Dennis W. Falmer, Director of Operations and Maintenance Charles A. Licata, Esq., Legal Advisor Fretreatment



# Camden County Municipal Utilities Authority

#### 1645 Ferry Avenue

P.O. Box 1432

Camden, N.J. 08101

#### Issuance of Final Permits

#### Public Notice

Notice is hereby given that the Camden County Municipal Ütilities Authority proposes to issue Final Industrial Pretreatment Permits to the following industries, which discharge into the County of Camden's Sewerage System and are treated at the Authority's Treatment Facilities:

- 1. AABCO Drum
- 2. Colonial Processing, Inc.
- 3. Coriel Institute
- 4. Dynamic Blending
- 5. Flowen Oil Delaware Valley, Inc.
- 6. Kaplan & Zubrin
- 7. Donald B. Kelly, Inc.
- 8. N.J. Water Company
- 9. Rhodes Drum, Inc.
- 10. Secondee Corporation
- 11. Willaim J. Jones, Inc.

This notice is being given to inform the public that Camden County MUA has prepared a Final Industrial Fermit in accordance with both Federal and State Regulations as well as this Authority's Industrial Fretreatment Regulations.

These are existing facilities and the implementation of the Industrial Pretreatment Permit is the enforcement/monitoring mechanism by where existing discharges are brought into compliance with laws, regulations, and standards. The pollution control requirements are those conditions

necessary to restrict, control, monitor, or abate the discharge of pollutants and to protect the public health and environment.

The Final document prepared by the Authority is based upon the administrative record, which is on file at this Authority's facility. It is available for inspection, by appointment between 7:30 a.m. to 3:30 p.m., Monday through Friday. Appointments for inspection may be scheduled by calling (605) 541-5200.

Additional information concerning the Authority's Industrial Pretreatment Program, may be obtained from Barclay W. Conrad or Faul Gorecki, Industrial Pretreatment Section.

## INDUSTRIAL WASTEWATER DISCHARGE FERMIT

In accordance with the provisions of the Federal Water Pollution Control Act, its Amendments, and the Industrial Pretreatment Regulations of the Camden County Municipal Utilities Authority: Flowen Oil of Delaware Valley, Inc. (hereinafter referred to as the "Permittee") identified by facility Permit No. 2992-Ca is authorized to discharge from a facility located at: 1800 Carmen Street, Camden, N.J. 08105 to the Camden County Municipal Utilities Authority which includes the treatment plant, trustewers, pumping stations and meter chambers, either directly or indirectly through one of the Authority's Farticipants or Customers collection systems, in accordance with discharge limitations, monitoring requirements and other conditions set forth herein.

Effective date: January 1, 1987

Expiration date: December 31, 1989

Camden County Municipal Utilities Authority

Dennis W. Falmer.

Director of Operations & Maintenance

SECTI	ON	L-3

W.	
À	ÇT
<b>T</b>	10
	ယ
$\nabla$	

Permit	#_	2992-Ca			
			•	,	
Table_		_1	 	,	<del> </del>

# EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

uring the period beginning January 1, 1987 and lasting through December 31, 1989	the permittee Flowen 011
elaware Vally. Inc. is authorized to discharge from discharge points designated 001	. Such discharge(s)
hall be limited and monitored by the permittee as specified below:	

• .	DIS	CHARGE LIMITATION	MINIMUM	MONITORING REQUIREM	ENTS		•
ARAMETERS	DAILY	QUARTERLY	MEASUREMENT FREQUENCY	SAMPLE TYPE		i	ING _ATE
Tow (MGD)	N/A	N/A	Quarterly	N/A	Feb,	May.	Aug. No
30D <sub>5</sub> (mg/1)	750	500	n	Composite (24 hr)	"	*	•
COD (mg/1)	1000	750	n	10	"	••	•
rss (mg/1)	750	500	10	"	"	<b>n</b>	•
p Hyd. (mg/1)	. 15	10	11	Grab	"	• '	•
D/G (mg/1)	100	75	u	••	"		•
TTO (mg/l)	5.0	3.75	Monthly	\$4 g	"	*	
	greater than 6	0 but less than 9.0	Daily	11	<u>」"</u>		

his Authority. Quarterly reporting data will consist of sample analyses from the three (3) preceding months of the hs listed in the REPORTING DATES above. All sample analyses is due on or prior to the final day of the month listed he REPORTING DATES above. Samples taken in compliance with the monitoring requirements specified above shall be taken he following location(s). O01, manhole receiving combined wastewater from the grids and five intercepting areas.

Special	Conditions.	see following	page
JPCCIUI		JUG VOLIVATING	- RAAL

#### 1. ABBREVIATIONS

#### Permit Parameters

- 1. Aluminum (Al)
- 2. Arsenic (As)
- J. Biochemical Oxygen Demand (BOD5)
- 4. Cadmium (Cd)
- 5. Chemical Oxygen Demand (COD)
- 6. Chromium Total (Cr(t)
- 7. Color
- 8. Copper (Cu)
- 9. Cyanide Amenable (Cn)
- 10. Flow
- 11. Lead (Fb)
- 12. Nickel (Ni)
- 13. Oil and Grease (0/6)
- 14. Petroleum Hydrocarbons (Petro Hyd.)
- 15. pH
- 16. Silver (Ag)
- 17. Sulfide (S-)
- 18. Total Dissolved Solids (TDS)
- 19. Total Suspended Solids (TSS)
- 20. Total Toxic Organics, (TTO), EFA Method #624; 625
- 21. Zinc (Zn)

#### -Terminology

Not Applicable (N/A)
Milligrams per liter (mg/l)
Million gallons per day (MGD)

#### 2. SPECIAL CONDITIONS

Modification - NJDEF - N.J.A.C. 7:14-2.12, 7.5

The permittee will be required to monitor for TTO's for the three (3) successive months ranging from February, 1987 - April, 1987 with the results to be submitted along with the May, 1987 quarterly report. If all three (3) successive monthly sampling analyses fall below the monthly maximum average for TTO's stated within the Final Industrial Pretreatment Fermit, the permittee may therefore apply for an exemption of the TTO Test. Please note, should the permittee qualify for an exemption of the TTO Test, the permittee will remain liable to continue sampling for TTO's on a quarterly basis per the reporting dates stated within the Final Industrial Pretreatment Permit until approval concerning exemption of the TTO Test is granted by this Authority.

If the permittee is not warrented for exemption of the TTO Test by achieving all three (3) successive monthly sampling analyses below the monthly maximum average for TTO's stated within the Final Industrial Pretreatment Permit, the permittee must continue to sample for TTO's on a

quarterly basis with the first set of analyses due by August 31, 1987 and continuing thereafter until the expiration of the Industrial Fretreatment Fermit.

The above stated conditions are applicable to all facilities with the exemption of hospitals, medical centers, learning institutions, and all laboratories (commercial; industrial, research, étc...) which are required to test for TTO's on a quarterly basis until the expiration of this Industrial Pretreatment Permit.

All facilities having multiple point discharges may composite their TTO samples based upon flow percentage from each of the multiple point discharge sampling locations.

Acrolein, Acrylonitrille, and Dioxin are exempt parameters pertaining to all TTO sampling and analyses.

#### 3. SEVERABILITY

The provisions of this permit are severable, and if any provision of the permit, or the application of any provision of this permit to any circumstances is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be effected thereby.

#### 4. FINAL CONDITIONS

The permittee shall comply with the requirements of this permit issued pursuant to Federal Regulations (40 CFR Part 403), State Regulations (N.J.A.C. 7:14A-13.1 (a) et. seg.) and this Authority Industrial Pretreatment Regulations.

Your attention is directed but not limited to the following sections of the regulations, which require certain action to be performed by your facility during specific circumstances:

- 2.1 Prohibition of wastewater discharges
- 2.6 Authority Right of Revision
- 3.4 Admission to property
- 3.5 Accidental Discharge Telephone notice immediately Written notice within (5) days
- 4.5 Fermit Terms and Conditions
- 5.2 Record and monitoring -
- 5.3 Inspection, sampling and analyses
- 7.2 Charges and fees

During the evening hours (after 3:30 p.m.) or weekends, in event of an accidential discharge or any type of emergency, please notify this Authority immediately at 541-4222. During regular working hours, (7:00 a.m. to 3:30 p.m.) please call 541-5200.





October 28, 1988

Camden County Municipal Utilities Authority 1645 Ferry Avenue Camden, New Jersey

Attention: Mr. Barclay W. Conrad

Proposed Compliance Schedule

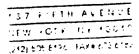
Dear Bart:

As per our meeting this past Wednesday, please find attached our proposed Compliance Schedule for the Flowen Oil facility located at 1800 Carman Street, Camden, NJ.

During our previous meetings on September 22, and October 10, 1988, we described REMTECH's commitment to upgrading the Flowen Oil facility as quickly as possible. On October 14, 1988, REMTECH executed a Purchase Agreement and an interim Management Agreement with the Owners of the Flowen Oil facility. REMTECH has agreed to act as manager and operator of the facility during the NJDEP's review of our disclosure statements. Upon receiving approval from the NJDEP, we will complete the acquisition.

It is our intent to utilize our capital resources to upgrade the facility's physical plant in order to assure compliance with the CCMUA's discharge criteria. The attached compliance schedule outlines our systematic approach to investigating and installing both pre-treatment and post-treatment equipment in order to maximize the efficiency of the ultrafiltration unit and improve discharge quality.

In addition to the pre-treatment and post-treatment equipment described in the compliance schedule, we have committed ourselves to installing an automatic emergency cut off valve at the final point of discharge on our property. This valve will be detector designed to monitor petroleum The objective of this emergency system is to controlled by a prevent any discharge of effluent with a concentration of hydrocarbons. petroleum hydrocarbons greater than 15 ppm. We are currently in the process of investigating the availability of the detector, however, the emergency cut off valve should be completely installed within (60) days.







October 28, 1988 Page 2

We look forward to working with the CCMUA and welcome your comments or questions. Please contact me at 609-365-5544 upon completing your review of the attached schedule.

Very truly yours,

Paul L. Fleischmann / su

Paul L. Fleischmann Vice President REMTECH Environmental Group

cc: A. Ross Paul Gorecki 2)

## PROPOSED COMPLIANCE SCHEDULE

FLOWEN OIL DELAWARE VALLEY, INC.

## ULTRAFILTRATION PRE-TREATMENT SYSTEM

_	Useto	Characterization	Report	to	include:
_	MADIO	Ollor money and a			and provided the first control of

1)	Characterization	of	Existing	Waste	Inventory

- Sampling Program		10/17 - 11/	/4/88
- Receipt of Outside	Analysis	11/25/88	
Complete Installation Shelter over UF	of Protective	11/25/88	

al Survey of	Evieting	Client	Base	11/25/88
al checes ut	F. X 1 M L 1 11 K	O 1 1 0 11 0		

- Submit Waste Characterization Report To	
Engineering Group For Specification of	
Pre-Treatment Unit	12/02/88

_	Receive Engineering Report with Prelim-	01/16/89
	imany Design Recommendations	A1\10\03

me to me toolude Contract	
<ul> <li>Complete Final Design, To Include Contract Documents, Drawings and Specifications</li> </ul>	03/06/89
- Place Orders For Pre-Treatment Equipment	04/01/89
- Evaluate and Award Installation Contract	04/07/89
- Complete Installation of Pre-Treatment Unit	06/15/89
- Start-Up, Debug and Commission Facility	07/30/89

- Progress Reports Monthly

# ULTRAFILTRATION POST-TREATMENT SYSTEM

- Effluent Quality Report From Pilot Scale Treatment System Incorporating Proposed Pre-Treatment Unit and Ultrafiltration Unit.

01/16/89

## PROPOSED COMPLIANCE SCHEDULE 0-28-68 AGE 2

17 J. 4-

- Receive Engineering Report Wit Design Recommendations for Pos Unit.	th Preliminary st-Treatment 02/15/89
- Correlation of Quality Report Scale System with Actual Production New Pre-Treatment Unit as	A0 /3A /80
- Complete Final Design, To Inc Documents, Drawings and Speci	lude Contract fications 11/10/89
- Place Orders For Post-Treatme	A A A A A A A A A A A A A A A A A A A
- Evaluate and Award Installati	
- Complete installation of Post Unit	-Treatment 02/08/90
<ul> <li>Start-Up, Debug and Commission</li> <li>System</li> </ul>	on Post-Treatment 03/20/90
- Progress Reports	Monthly





## THE CAMDEN COUNTY MUNICIPAL UTILITIES AUTHORITY

1645 FERRY AVENUE • P.O. BOX #1432 • CAMDEN, NEW JERSEY 08101-1432 • (609) 541-3700 • FAX (609) 964-1829

HERMAN B. ENGELBERT
Executive Director
ALDO I. CEVALLOS
Chief Engineer
DOROTHY E. MARKS
Secretary to the Authority
THOMAS S. HIGGINS, ESQ.
Solicitor



NOV 30 1988 BRAXTON L EPPS, ESTABLES Vice-Chairman FLORENCE FALANA Treasurer

Treasurer
WILLIAM J. DOUGHERTY
JOSEPH FORTE
MOSES JACKSON
FRANCIS J. ORLANDO, ESQ.
JOSEPH N. PETRUZZI
ERNEST L. PREVITE

Commissioners

November 28, 1988

Mr. Paul Fleischmann, V.P.-Operations REMTECH Environmental Group, L.P. 1800 Carmen Street Camden, NJ 08105

RE: COMPLIANCE SCHEDULE APPROVAL

Dear Mr. Fleischmann:

In response to your hand delivered correspondence, dated October 28, 1988 requesting the approval of a compliance schedule for your facility, this Authority hereby grants REMTECH Environmental Group, Inc. (formerly Flowen Oil Delaware Valley Inc., hence forth to be addressed as REMTECH) approval for their compliance schedule will extend from November, 1988 and terminate March, 1990. Furthermore, REMTECH must submit monthly progress reports (MPR's) in accordance with the Compliance schedule as required by this Authority's Industrial Pretreatment Rules and Regulations, Section 4.5 (B). The MPR'S shall be submitted by the last business day of each month, commencing with November 30, 1988.

Should you have any questions concerning this correspondence, please contact me at 541-5200, ext. 203.

Very truly yours,

Barclay W. Conrad

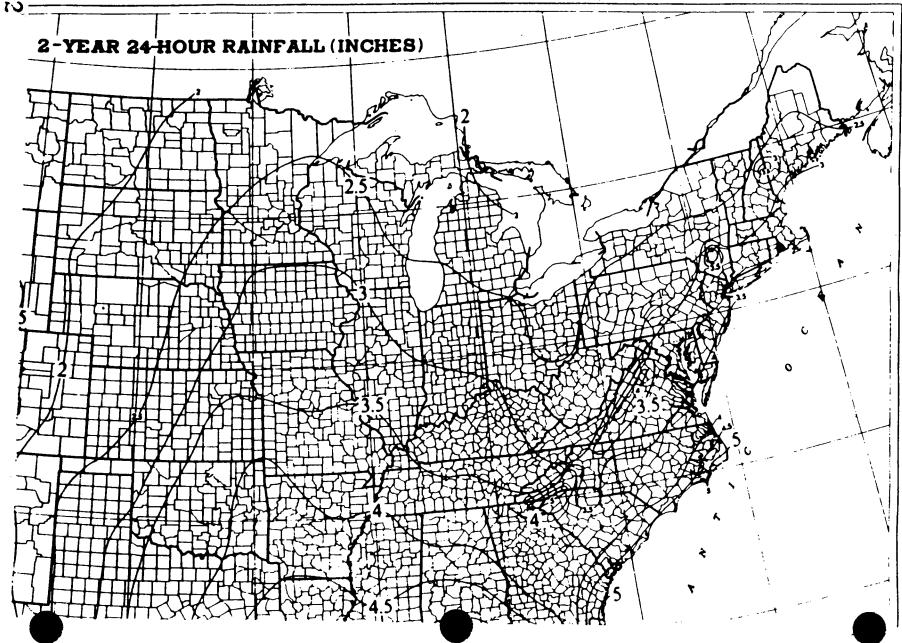
Barclay W. Conrad

Barclay W. Conrad Coordinator, IPP

BWC/avf

8 ....

cc: Dennis W. Palmer, Director of Operations & Maintenance 013





# NUS CORPORATION

TELECON NOTE

CONTROL NO: 02-8901-10	DATE: 02/10/89	10:45 am.
DISTRIBUTION:		
Campbell Soup Co	Impany (Campbell Pla	ce)
BETWEEN:	OF: 1 Part Taxcon	PHONE:
Michael Chern	OF: New Jersey Water Company	(609)547-1700
AND:		
Taniny marquart DISCUSSION:		(NUS)
_	about the uses of	the Cooper
Piver He said No	drinking water is take	in from the
	used for recreation.	
it is used for irric	gation since farms are	no longer in
existance in that	area. Drinking water	is from groundwater.
	·	J
	Janny	raight
	Miol	Ag
	~// /	
-		
	·	
, , · · <b>r</b>		ļ
ACTION ITEMS:		
	· · · · · · · · · · · · · · · · · · ·	
		·
534	<del>Mayor to the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the se</del>	280
distribution of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of th		

# NUS CORPORATION

TELECON NOTE

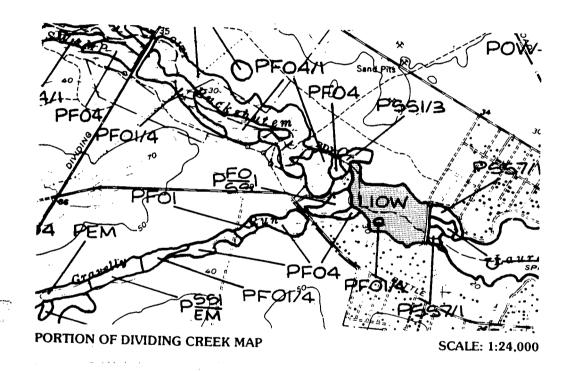
CONTROL NO: 02-8901-04	DATE: 2/14/89	3:30 p.m.	
DISTRIBUTION:			
Campbell Soup	Company (Market St	£.)	
BETWEEN:	of: Delaware	River PHONE:	
John Rattle	Basin Commu.		500
AND:			
Tammy Marquart	<u>.</u>		(NUS)
	•		
	- the Delaware Rive		
Camden area. Ir	1 the Camden area	the river is a	
		s used for recreationa	
booting but no.	swimming.		
	he Ben Franklin Br	idae is located at	Ÿ.
river mile 100.1 a		. He said the only	
		thing City of Philadelph	ia_
at-Tarsdale - river		•	
the following indu	<u>istrial intakes: K</u>	Coman Haas at river	
nule 106 2 (Phila)	Georgia Pacific a	+ river nule 104.3(NJ	اا
another inclustrial	intake at river ne	ile 97.8 (NJ), Texaco	
		f Burlington at river	
		al Co. atriver mile 12	$\frac{1}{2}$
Mile In a Costa	na Stepan Chenica	CO. C. C. P. VER MILL 12	. 1. 21.24
			700
		enry narquart 2/14	189
ACTION ITEMS:		U U	
		237	3
<u> </u>		<b>\$3</b> 000	
536			
A PASSON	·		

NUS CORPORATION AND SUBS	TELECON NOTE	
control no.: 02-9011-20	1-30-91	TIME: 1515
DISTRIBUTION:		
	clawere Valley Corp	
MV. Servan	OF: Philadelphia Water Dept.	(215) 335-8031
Mr. Servan AND: Kathy Indelicat	7 7	(NUS)
Discussion: Drincing wo	ate for the city	of Philadelphia
	e Delaware River	
A .	atment plant, Me	or Penny Pack
in the downto	$\Delta t = \Delta t + \Delta t = \Delta t$	a Orea 1
		<del></del>
-		
	2	
ACTION ITEMS:	Kathy -	Indelicate 1-30-91
	<del></del>	
538		
336	<u> </u>	· —
And the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s		

NUS 067 REVISED 0685

CONTROL NO.:	DATE:	TIDAG
02-9011-20	2-1-91	1400
DISTRIBUTION:		
Flower Oil Delai	were Valley Cop.	
DETAILED.		
Kathy Previte	OF: NJDEP DIV. Fish & Gome	of PHONE: (609)292-9450
Kathy Previte AND: Kathy Indelicate		(NUS)
Inc Cope  The Cope  One Used as		Delaware River
ar used as	tisheres,	
		16. 16. 16.
-		
		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
ACTION ITEMS:	lathy In	delicato 2-1-91
ACTION ITEMS:	<u> </u>	
		•
540		<b>93</b> 0
Section 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 1985 April 198		

# ATLAS OF NATIONAL WETLANDS INVENTORY MAPS FOR NEW JERSEY



UNITED STATES
DEPARTMENT OF THE INTERIOR
Fish and Wildlife Service
Region Five
Habitat Resources
One Gateway Center, Suite 700
Newton Corner, Massachusetts

288

## HOW TO USE THIS ATLAS

The Atlas contains reductions of all 1:24,000 National Wetlands Inventory maps. Maps appear in alphabetical order. Map names can be located on the index map (Figure 2). Each map shows the configuration, location and type of wetlands and deepwater habitats found within a given area.

## WETLAND LEGEND

Wetland data are displayed on maps by a series of letters and numbers (alpha-numerics). Mixing of classes and subclasses are represented by a diagonal line. The more common symbols are shown below; less common symbols have been omitted for simplicity. For identifying these latter symbols, the reader should refer to an actual NWI map legend.

# Examples of Alpha-numerics:

E2EMN6 Estuarine (E), Intertidal(2), Emergent Wetland(EM), Regularly Flooded(N), Oligohaline(6)

E2FL Estuarine(E), Intertidal(2), Flat(FL)

PF01 Palustrine(P), Forested Wetland(FO), Broad-leaved

Deciduous(1)

PEM/OW Palustrine(P), Emergent Wetland/Open Water(EM/OW)

PFO/SS1 Palustrine(P), Forested Wetland/Scrub-Shrub Wetland(FO/SS), Broad-leaved Deceduous(1)

### SYMBOLOGY

Systems and Subsystems:

= Marine Subtidal R 3 Riverine Upper Perennial Marine Intertidal R 4 = Riverine Intermittent E 1 =Estuarine Subtidal L 1 Lacustrine Limnetic = E 2 Estuarine Intertidal L 2 Lacustrine Littoral Riverine Tidal Ρ = Palustrine Riverine Lower Perennial U Upland

Classes (subclasses and modifers designated where appropriate):

AB Aquatic Bed BB

Beach/Bar

EM Emergent Wetland

EMN6 Emergent Wetland, Regularly Flooded, Oligohaline EMP6 Emergent Wetland, Irregularly Flooded, Oligohaline

EMR Emergent Wetland, Seasonally Flooded-Tidal = Flat

FL F01

Forested Wetland, Broad-leaved Deciduous Forested Wetland, Needle-leaved Deciduous FO2

FO4 Forested Wetland, Needle-leaved Evergreen OW Open Water/Unknown Bottom

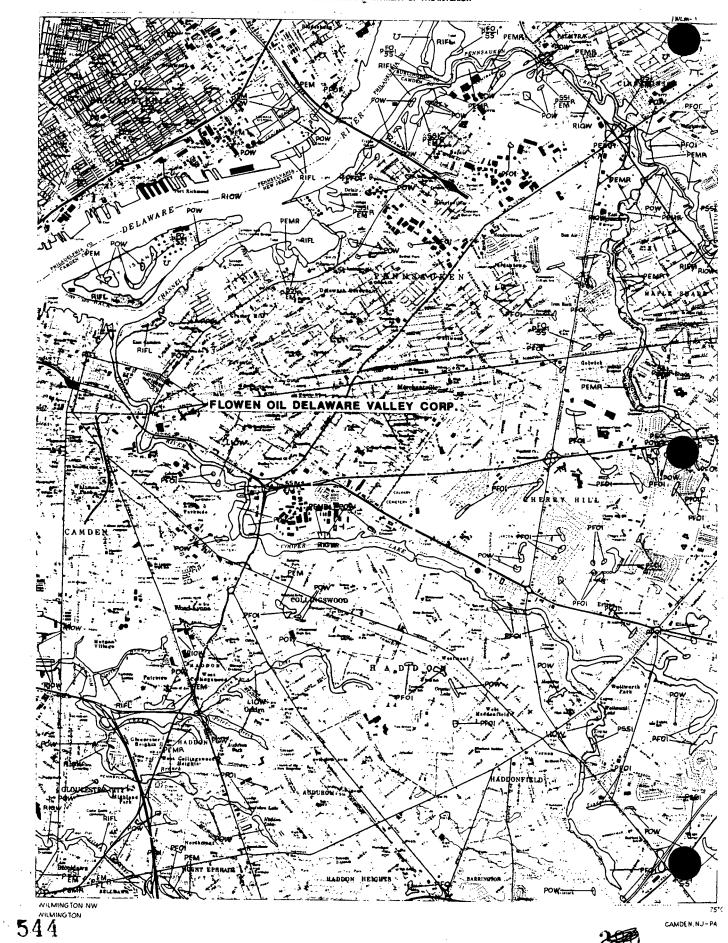
SSl Scrub=Shrub Wetland, Broad-leaved Deciduous SS3

Scrub-Shrub Wetland, Broad-leaved Evergreen SS4 = Scrub-Shrub Wetland, Needle-leaved Evergreen

Scrub-Shrub Wetland, Dead SS5 SS7

Scrub-Shrub Wetland, Evergreen

# NATIONAL WETLANDS INVENTORY UNITED STATES DEPARTMENT OF THE INTERIOR

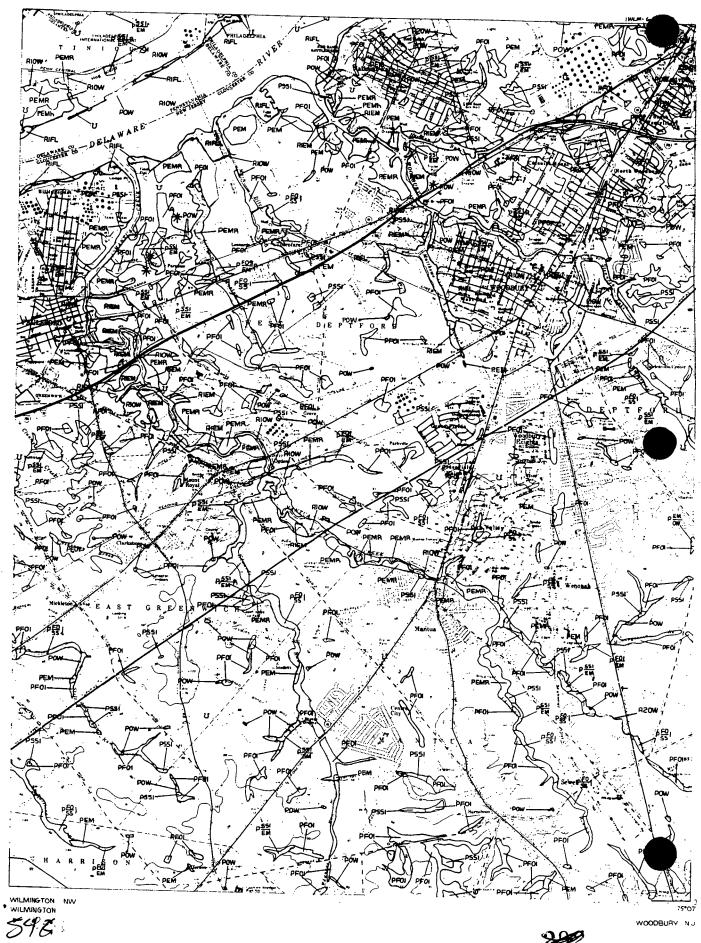


CAMDEN.NJ-PA

# NATIONAL WETLANDS INVENTORY UNITED STATES DEPARTMENT OF THE INTERIOR



# NATIONAL WETLANDS INVENTORY UNITED STATES DEPARTMENT OF THE INTERIOR



WOODBURY NJ

GRAPHICAL EXPOSURE MODELING SYSTEM

(GEMS)

USER'S GUIDE

VOLUME 2. MODELING

## Prepared for:

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDES AND TOXIC SUBSTANCES
EXPOSURE EVALUATION DIVISION
Task No. 3-2
Contract No. 68023970
Project Officer: Russell Kinerson
Task Manager: Loren Hall

Prepared by:

GENERAL SCIENCES CORPORATION 8481 Corporate Drive Landover, Maryland 20785

Submitted: December 1, 1986

FLOWEN OIL DELAWARE VALLEY CORP.

LATITUDE 39:56:35 LONGITUDE

75: 5:**5**3

1980 POPULATION

					, dans ,	•	SECTOR
KM	0.00400	.400810	.810-1.60	1.60-3.20	3.20-4.80	4.80-6.40	TOTALS
S 1	1717	4634	23439	64784	91105	238691	424370
RING	1717	4634	23439	64784	91105	238691	424370
TOTA	LS						

GEMS> I

FLOWEN OIL DELAWARE VALLEY CORP.

LATITUDE 39:56:35 LONGITUDE

75: 5:53 1980 HOUSING

KM	0.00400	.400810	.810-1.60	1.60-3.20	3.20-4.80	4.80-6.40	SECTOR
S 1	550	1337	7256	22788	35670	91074	158675
NG		1337	7256	22788	35670	91074	158675

FLOWEN OILS DELAWARE VALLEY

APPLICATION FOR

SOLID WASTE PERMIT

LEW JERSEY STATE DEPARTMENT OF ENVIRONMENTAL PROTECTION SOLID WASTE ADMINISTRATION P.O. BOX 2807, TRENTON, NJ 08625	SOLID WASTE FACILITY APPLICATION
OFFICE USE ONLY  Date Received Application	on Number
NAME OF APPLICANT: (Print) Flowen Oils Title Delaware Valley, Inc., corp	
STREET ADDRESS 1800 Davis Street TELEPHONE 609_9	62_7100
CITY Camden STATE New Jersey ZIP C APPLICANT'S FEDERAL EMPLOYER I.D. OR SOCIAL SECURI	
TYPE OF ORGANIZATION: (Check One) Proprietor Incorporated XX Municipality County Sta	Partnership
CORPORATE OR PARTNERSHIP DATA (If any):  a. Registered in State of: New Jersey Count	y of: Camden
b. Date of Filing May 13, 1980 c. Agent's Name: Last: Pierce First Alfred Street Address 312 Ferry Office Bldg. Telepho City Camden State New Jersey Zi	M.I. R
PERSON TO HAVE PRIME ADMINISTRATIVE AUTHORITY Name: Last Forte First Joseph Telephone 609-962-7100	M.I. <u>F</u>
APPLICATION FOR: (Check One)  XXX New Facility  Expansion of Exist  Closure of Facility  Disruption of Faci	y No
Licensed Professional Engineer Responsible For Submitting Engineers Name  Thomas A. M. Fisher  Seal No.  7113  Engineering Firm's Name Fisher & Sampson Address 929 N. Kings Highway  Cherry Hill: N.J. 08034  Telephone No. 609 667 1100	ng The Attached Design:

TOTALS

FLOWEN OIL DELAWARE VALLEY CORP. LATITUDE 39:56:35 LONGITUDE 75: 5:53 1980 POPULATION SECTOR KM 0.00-.400 .400-.810 .810-1.60 1.60-3.20 3.20-4.80 4.80-6.40 TOTALS RING TOTALS GEMS> I FLOWEN OIL DELAWARE VALLEY CORP. LATITUDE 39:56:35 LONGITUDE 75: 5:53 1980 HOUSING SECTOR KM 0.00-.400 .400-.810 .810-1.60 1.60-3.20 3.20-4.80 4.80-6.40 

# avaladajano ee

## FLOWEN OILS DELAWARE VALLEY

 $\underset{\mathcal{C} \in \mathcal{A}}{\sim} \textbf{APPLICATION} \ \ \textbf{FOR}$ 

SOLID WASTE PERMIT

	1
IEW JERSEY STATE DEPARTMENT OF ENVIRONMENTAL PROTECTION	SOLID WASTE FACILITY
SOLID WASTE ADMINISTRATION P.O. BOX 2807, TRENTON, NJ 08625	APPLICATION C
OFFICE USE ONLY	
Date Received Applicati	on Number
The same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sa	
NAME OF APPLICANT: (Print) Flowen Oils Title Delaware Valley, Inc., corp	poration of New Jersey
COMPANY OR TRADE NAME: Same as above	· · · · · · · · · · · · · · · · · · ·
STREET ADDRESS 1800 Davis Street TELEPHONE 609 9	62_7100
CITY Camden STATE New Jersey ZIP C	
APPLICANT'S FEDERAL EMPLOYER I.D. OR SOCIAL SECURI	ту ио:
TYPE OF ORGANIZATION: (Check One) Proprietor	Partnership
Incorporated XX Municipality County Sta	te Government
Federal Government Other	·
receial government	
CORPORATE OR PARTNERSHIP DATA (If any):	
a. Registered in State of: New Jersey Count	y of: <u>Camden</u>
b. Date of Filing May 13, 1980 c. Agent's Name: Last: Pierce First Alfred	M.I. R
Street Address 312 Ferry Office Bldgrelepad	one 609-962-7100
city Camden State New Jersey 23	ip Code <u>08101</u>
PERSON TO HAVE PRIME ADMINISTRATIVE AUTHORITY .	
Name: Last Forte First Joseph	M.I
Telephone 609 - 962 7100	
APPLICATION FOR: (Check One) XXX New Facility Expansion of Exist	ting Pacility No.
Closure of Facili	
Disruption of Fac	<del>-</del>
Licensed Professional Engineer Responsible For Submitti	ng The Attached Design
Engineers Name Thomas A. M. Fisher	
Seal No. 7113	
Engineering Firm's Name Fisher & Sampson	
Address 929 N Kings Highway	
Cherry Hill N.J. 08034 Telephone No. 609 667 1100	

## GEMS> I

	EN OIL		AWARE VALL		75: 5:53	∳ - <b>1</b> 980 (	POPULATION	
KM	0.00	400	.400810	.810-1.60	1.60-3.20	3.20-4.80	4.80-6.40	SECTOR TOTALS
S 1	1	717	4634	23439	64784	91105	238691	424370
RING TOTA	-	717	4634	23439	64784	91105	238691	424370
GEMS	;> I							
	JEN OIL TUDE		AWARE VALL 56:35 LO		75: 5:53	1980 H	HOUSING	0»
KM	0.00	400	.400810	.810-1.60	1.60-3.20	3.20-4.80	4.80-6.40	SECTOR TOTALS
S 1		550	1337	7256	22788	35670	91074	158675
ING	i NLS	550	1337	7256	22788	35670	91074	158675

533

and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o

REFERENCE NOT 29.

FLOWEN OILS DELAWARE VALLEY

APPLICATION FOR

SOLID WASTE PERMIT

		v
ACILITY TYPE: (Separate Application	for Each)	•
Sanitary Landfill B. Incinerato	r C. Compost D. Cher	mical Processing & Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Co
Resource Recovery Facility F.	Transfer Station G.	Shedder Her
sludge J. Disruption K. X Othe		
. Studge J. Bistupezen and	110000	<u> </u>
FACILITY NAME:		
This Facility: (Check One) is, ky under PUC regulation. PUC License No.	is not, will be, (If any)	will not be
FACILITY LOCATION: Attach Map)	Block No∴	Lot_(s)
treet Address	Block No.	Lot_(s)
funicipality	Block No.	
		T025
ESTIMATED FACILITY LIFE: 25	Years Years	Tons
EF EXPANSION ADDITIONAL LIFE		
Owners Address: Street	ificate of Ownership)(First)	(MI)
Municipality		
WASTE TYPE: (Check all Types Requests	od for Acceptance at	this Facility)
and the same was a second of the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and the same and th	SEPTAGE	<u> </u>
SOLIDS  10. Municipal (Household, Comme and Institutional)	rcial 73. Septic 74. Liquid	Tank Clean-out Was Sewage Sludge
12. Dry Sewage Sludge	LIQUID	<u>s</u>
13. Bulky Waste  17. Hazardous Waste - Dry  18. Chemical Waste - Dry -	xx 70. Waste	Oil and Sludge
Non Hazardous 23. Vegetative Waste	76. Hazard	ous waste bigures
25. Animal and Food Processing 26. Oil Spill Clean-up Wastes	Wastes 77. Liquid	. Chemical Waste
27. Industrial (Non-chemical)		
I certify that the information cont	ained herein and on a	all attachments are
true to the best of my knowledge.	Date	
Signature	Title	
Heare 12	560	0.000
	<b>~</b> h	11 112

## FLOWEN OILS DELAWARE VALLEY, INC

Flowen Oils Delaware Valley, Inc. is a New Jersey Corporation incorporated on May 13, 1980. The purpose of the Corporation is to own and operate a Waste Oil Recycling Plant to be located between Carman and Mickel Streets in the City of Camden.

The process for the recycling of waste oil is specifically described in the brochure which is attached to this application. The operation will begin by having trucks owned by the Corporation pick up waste oil from gas stations, garages, industrial plants, and other locations for delivery to the Flowen Oil Plant. The contents of the truck will be evaluated by a lab technician and the oil will be deposited in a large water tank where it will remain for three days until the water and oil have separated. The excess water is then pumped off leaving only the oil and its sedament in the tank.

From the water tank the oil will then be funneled into settlement tanks preparing for an initial heating process to remove solids and other waste particles. It will pass from the settlement tanks into an initial pre-heat phase where the oil is cleaned by the removal of particles and solid-waste.

The oil will then pass into a second heating phase where the oil is further thinned out to permit a second stage of cleaning. Following the second process the oil passes into three steamed heated centrifuges for the removal of the final particles or solids that may still be present in the oil. Emerging from this phase, a small amount of oil will be transmitted back into the plants own boiler enabling it to fire the Corporation's own product.

# This Page is Intentionally Blank

The remaining oil will pass into blending tanks where it will remain until a demand for the product is made.

Upon receipt of a demand and/or order for the product the appropriate formula will be used for the required product and ultimately passed into a final product tank for delivery to trucks owned by the Company. The trucks will then deliver the product to the customer.

Attached to this application are the engineering drawings, maps and legal descriptions required by the Solid Waste Administration. Additionally drawings of the buildings are included with the application.

With respect to safety devices, the entire system and processing of oil through it is monitored at each stage by a computer. If a failure occurs at any stage, the computer will activate an automatic safety device which will immediately shut down the entire system and send out an audible alarm linked to a visual alarm and indicate where the fault is situated in the system's control panel. In addition to this the steam heated centrifuges have an automatic locking device which prevents the opening of a contrifuge lid while the core is still rotating. Finally, in the event of power failure, all valves close and the process shuts down. There are no air polution problems anticipated since this is not a refining of oil but merely a cleansing of it.

Initially the project will use four vehicles for transporting waste oil in and out of the plant. Three of the vehicles will be Mac trucks with 2,500 gallon or steel or aluminum tanks. The other truck will be a Mac tractor on which will be constructed an Allied 7,500 gallon tank. The vehicles will enter the facility from the Admiral Wilson Boulevard in Camden, New Jersey and 18th Street and unload the waste at the plant. All vehicles

will then exit on 19th Street to the Admiral Wilson Boulevard and proceed along the boulevard to their respective pick up or delivery points.

The by-product from the water will be a non-toxic sludge which will accumulate at the rate of approximately one ton per week and be disposed of by licensed contractors authorized to haul sludge. It is anticipated that this sludge will be disposed of once a month.

To allow for unpredictable fluctuations in input, there is twenty-five (25%) percent extra capacity in the reception storage. Further, the optimum plant operation is only two-thirds (2/3) of the plant's capacity. If the plant were to totally break down the Corporation would simply stop the incoming shipments of fuel oil. Even under total breakdown conditions, the plant would allow for five days further reception of fuel oil prior to having to stop all shipments.

In the event of a complete power failure, the entire system shuts down and all valves close. The product remains in the system until the power is restored.

With respect to fire precautions, there will be emergency exit doors of the pushbar type in the process house and boiler room. The boiler room will be of a blast wall construction with a blast escape sacrificial roof.

Adequate fire extinguishers and fire blankets will be located in the building as required by law.

The attached drawing indicates the floor channeling and grids and tanks to both isolate and separate oil and water from the recycling tank, wash down and general working areas. On leaving the process house this effluent will separate naturally in a primary separation tank prior to passing onto a

four phase interceptor tank and then into a sewer system. This discharge will have a C.O.D. of using up more than One Thousand (1,000) and roughly less than Two Hundred (200).

The plans for discharge prevention containment and spill prevention and control are attached hereto.

The type of wastes will be oily waste collected from garages, industry, dock yards and airport installations. The quantities should run about twenty thousand gallons per day. There is a 10% non-recoverable content in this gallonage, of which possibly one-tenth are solids the remainder being water. The resources recovered from the cocktail of the waste oils is a high quality, low sulpher content fuel oil which can be used as an alternative to #2 fuel oil in industry.

Should any additional information be required by the Administration please contact either one of the below individuals:  $200_{5}/_{15}/_{64}/_{64}$ 

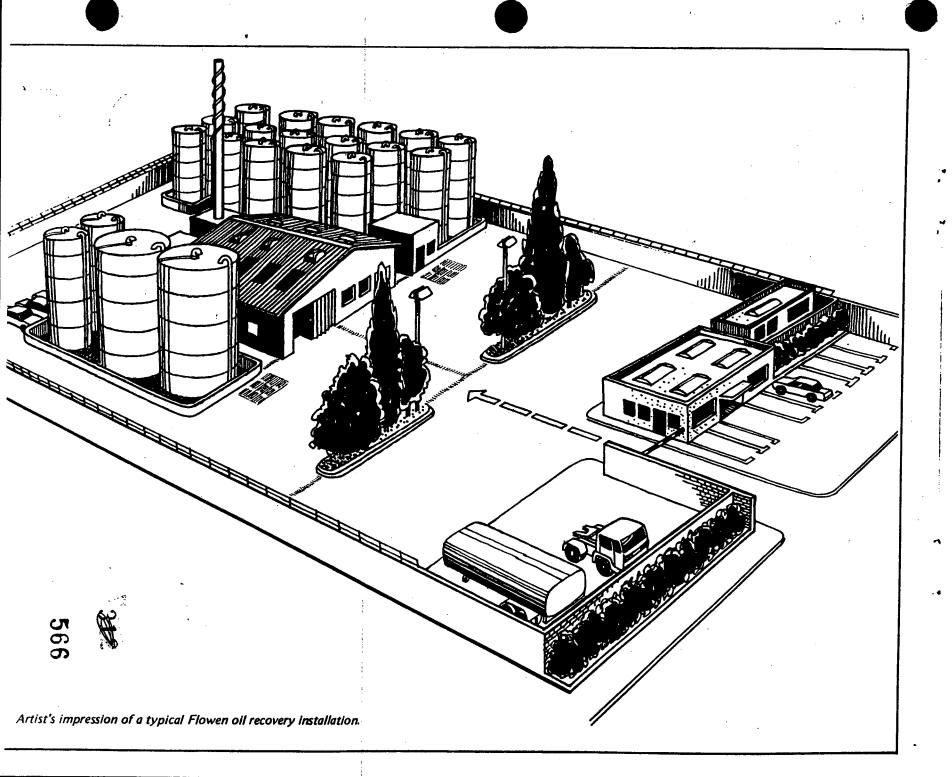
William T. Cahill, Jr., Esquire 25 Chestnut Street Haddonfield, New Jersey 08033 (609) 428-2100

Joseph Forte 225 West Taunton Avenue Berlin, New Jersey 08009 (609) 767-8233

FLOWEN OILS DELAWARE VALLEY, INC.

A ....





#### INTRODUCTION

Every country throughout the world accumulates used hydrocarbon oil — that is, oil not destroyed in its first usage. It is mainly represented by waste lubricating and industrial process oils, and in Great Britain alone it is conservatively calculated at 400,000 tons per annum (100 million gallons).

A waste recycling industry exists in a number of countries, and in Great Britain alone some 250,000 tons are recovered each year. Significant accumulations remain uncollected, and if these waste oils are not identified, collected and handled properly they can present a severe potential environmental hazard.

WASTE LUBRICATING OILS LIMITED have more than 20 years successful practical and profitable experience in oil recycling. This combination of technical and commercial expertise is now available in a comprehensive package which is applicable to a wide range of situations throughout the world.

Wherever oil is used in commercial quantities the potential exists for profitable recycling. The Waste Lubricating Oils Limited package, incorporating Flowen recycling plant, can meet that potential.

#### PRIMARY CONSIDERATIONS

The demand, price and availability of fuel oils dictate the market place for the substitute fuel oil, and these factors vary from country to country. Availability, operating costs and profit requirements determine the viability of the recycling process. Alternative methods of recycling used oils require much higher levels of investment and in general show lower returns on capital invested.

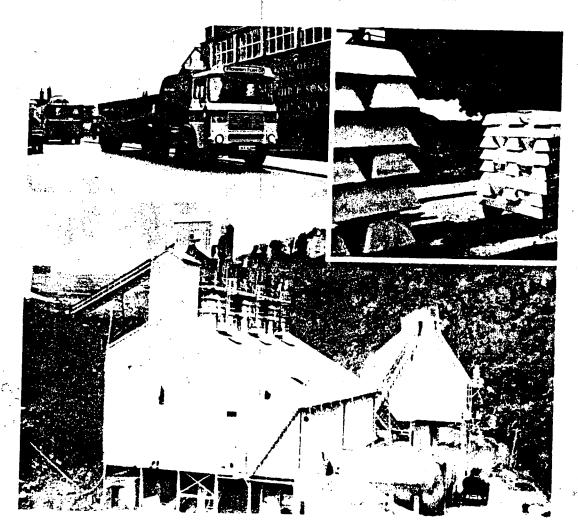
The plant, collection, storage and redistribution facilities, described hereunder, are geared to satisfy minimum requirements in a large number of geographical locations. The processing plant can be extended to increase capacity where such capacity is needed.





1972 73 74 75 76 77 78 79 80 81

- (a) A market survey to determine commercial viability and plant location.
- (b) A Flowen Recycling Plant designed to meet the requirements identified by the survey.
- (c) A training package covering collection techniques, processing techniques, plant maintenance, and sale of finished product including design of burners and pumping and heating equipment.
- (d) A trained engineer to commission the plant on completion of installation.



#### OPERATIONAL NEEDS TO PRODUCE UP TO 2 MILLION GALLONS PER ANNUM

#### ) Collection

The basic requirement is for five road tankers, with four drivers for collection and one for delivery. The Flowen package includes information on the selection of personnel, their training and understanding of all aspects of waste oil collection and the specialist requirements of tanker fleet operation. This latter item is essential to cope with the many unusual factors which can arise in the handling of waste, and therefore contaminated, products.

#### 2) Processing Plant

A typical plant package can be supplied of UK origin with a capacity of up to 1400 gallons per hour. The plant has a capability of converting a mixture of waste lubricating oils to a substitute fuel oil having the characteristics shown in Table 1.

TABLE 1.

33

	Yasharty Redwood (I 100°F			200	Pelative Consists	Pour Point PC
FUEL OIL	220	0.4	19500 gross 18500 nett	0.5	0.890	–10 <sup>0</sup> C
35 Sec Gas Oil	35	0.8	18500 rest 18500 rest	0.001	<b>0</b> .835	–12 <sup>0</sup> C
Light Fue! Oil	250	2.2	# <b>48500 Trhis</b> 17870 nett	0.01	0.945	–5 <sup>o</sup> C
Medium Fuel Oil	950	2.9	18850 grass 17780 next	0.03	0.960	6°C
Heavy Fuel Oil	3500	3.5	BBBD pross 127/50 herr	0.05	0.965	18 <sup>0</sup> C

Locally arising feedstock may result in minor variations to these values.

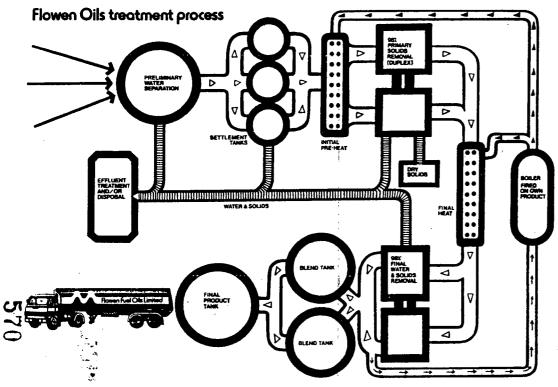
The plant package is supplied ready for assembly and then requires only the connection of external electrical power, water, heating, lighting and drainage. Full installation information is provided together with training and operating support, and a full set of spare parts.

In addition to the processing module there is a requirement for a minimum of four storage tanks obtained locally, with a total capacity of about 48,000 gallons, together with a



reception tank of 5,000 gallons. A further two tanks of 5,000 gallon capacity each for blending operations, and finally two storage tanks of 12,000 gallon capacity each for the storage of finished product prior to despatch. Full information on selection and siting of tanks is provided.

There is also a requirement for a boiler, fired by the plant's own fuel oil production, for process heating purposes. Again, the specialist knowledge required for a successful installation is provided within the general package.



#### Personnel

In addition to transport personnel, assistance will be given on the selection and training of:-

(a) A Plant Manager who will have the responsibility for plant operation and also the analysis of incoming material and quality control of finished product. Advice on the analytical equipment required will be given at this stage.

- Plant Operative The plant is designed on a fail-safe basis.
- Plant Foreman who will also be the Plant Maintenance Engineer.

By increases in staffing to permit shift working, the throughput of the plant can be increased to as much as 20,000 gallons per day - an annual figure of up to five million gallons.

#### Distribution and Administration

Sales and Administration require additional staff to cover;

- Technical Sales
- Accounts
- Administration assistance (typing, telephone etc.)

#### 5) Typical Plant Manning Levels

Assuming a double unit operating six hours of an eight hour shift system, this yields 1400 gallons/hour and 42,000 gallons/five day week. Based on 50 weeks/year, this yields 2,100,00 gallons/annum.

No. of Personnel	Description
1	Company Manager
1	Plant Manager/Technical Manager
1	Plant Foreman/Maintenance Engineer
1	Process Operator
4	Collection Driver
1	Delivery Driver
1	Telephonist/Clerical
1	Technical Salesman

#### **COST FACTORS**

A cost and potential profit study based on capital to be employed is undertaken with a client who wishes to enter into n tions. This is part of the market survey study for which a fee is charged. However, this confidence against any subsequent supply contract.





The total cost of the Flowen Oil Recycling Plant or Technology Package will depend in part on the results of the market survey and the proposed location of the plant.

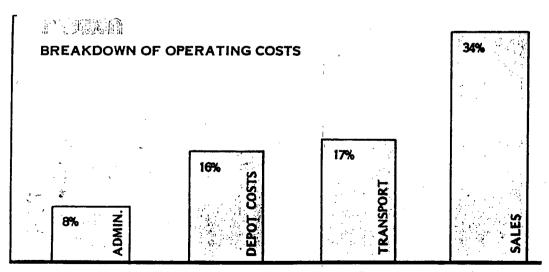
However, the results of market surveys carried out to date indicate a capital pay back in about four years. These results are supported by the successful operation of the UK plant.

#### **Selling Price of Finished Product**

Based on the current UK market experience the price for recycled oil is about 70% of 35 sec gas oil (no.2 fuel oil) prices.

#### Outgoings

Operational costs fall into four main areas and experience shows they can be typically depicted as a percentage of sales.



N.B. These percentages are only examples and will vary according to local conditions.

572



#### Additional Plant and Equipment

In addition to the cost of the Flowen Oil Recycling Plant and Technology Package, the following minimum capital expenditure will be required:—

#### Transport

One 5,000 gallon - 32 ton gross articulated delivery vehicle, plus ancillary pump and hoses. Four 2,5000 gallon - 16 ton gross rigid collection vehicles, plus ancillary pump and hoses.

#### Tankage

Six 12,000 gallon storage tanks. One 5,000 gallon reception tank. Two 5,000 gallon blending tanks.

#### Boiler Installation

Typically a 2,000 lb/hr steam raising boiler which can be fired by Flowen fuel oil.

#### Civil Engineering

Including site preparation, drainage, buildings etc.

#### Site

A minimum of half an acre, but preferably one acre, of land suitably sited with access to services and road network system.



The information contained this document is for general guidance only and is not intended to form any part of any course. Waste Lubricating Oils Limited can accept no liability or responsibility for its accuracy or relevance to any particular circumstance.

Copyright Waste Lubricating Oils Limited 1979. Information may not be copied or reproduced in any way in whole or in part without the prior permission in writing of Waste Lubricating Oils Limited.



## State of New Jersey

## DEPARTMENT OF ENVIRONMENTAL PROTECTION

## MASTER PERMIT INFORMATION APPLICATION FORM

		,			·				ER PERM		IMATION	
DATE	RECE	IVED		,	RE	CEIVED B	r					
LETE	THE I	FOLLOWI	VG:					<del></del>				
ا. ا	APPLI	CANT INF	ORMAT	ION								
	A. N	lame of Ap	plicant_	Flo	wen Oi	ls Del	aware	Valley	, Inc.			
	_	lomo es Di									08104 (Zip Code	
	. Ь	hone No.	60	962	-7100				,,		124 COU.	-7
í	B. C	Consultant	or Contac	t Person _	Josep	oh F.	orte					
			100	tel 140. U/ 1	K.F.D.)	Davis (Ciry)	St.,	a <b>s applicant, v</b> Camden			04 (Zip Code	e
	P	hone No.	609	962-7.	100	<del>"</del>		,				
. 4	ACTIV	ITY LOCA	TION									
A	M	ocation of lunicipality	Ca	mden		Block	No1	.431	L	ot No	5	_
	С	ounty	Ca	mden							-	
E	B. N	ame of and	distance	from nea	rest waterw	ayC	oper	River	(1000	feet	to the S	30
. <u>c</u>	GENER	AL ACTI	/ITY DE	SCRIPTIC	<u>N</u>					**************************************		
,	А. В	eginning C	onstructi	on Date _	Sprin	g 1981	<del></del>	Comple	tion Date .	Spr	ing 1982	>
	B. D	escription Recy	of Projec	t (Describ used	e the project	ct objective	, purpose,	, need and o	perations)	• •	dustrial	
		oil	as an	alter	nate t	o #2 a	as oi	lue a l	urnab	le inc	dustrial	_
•	-											
, *												_

(Attach additional sheets if necessary)

#### IV. PROJECT DIAGRAM

Show the general area involved by the project. Include the proposed project improvements, existing topography, streams or bodies of water, landmarks, property lines, north arrow, scale, etc.

See attached drawing.

er en la significación

٧.	SPECI	FIC ACTIVITY INFORMATION	YES	, ′ NO
	1. 1	VATER RESOURCES		
	8	All or a portion of the final activity, or of construction activity, will be located within the floodplain or within the natural and ordinary high water mark of a stream or body of water.	-	xxx
		Not applicable , a tributary of (Name of Stream or Body of Water)  Not applicable (Name of Stream or Body of Water)		
	t	. Work will be conducted (enter anticipated dates when work will take place)		
		Over waterNot applicable		XXX
		In or under water Not applicable	· —— .	XXX_
	C	. Will your project include the construction or modification of a dam, or the impoundment of water? Not applicable		XXX
		Height of spillway will be feet above immediate downstream invert of channel.		
	d	. Will any wells be drilled? Not applicable If yes, how many?	<del></del>	xxx
	е	Will any wells be modified, abandoned or sealed?		XXX
	f.	Will any phase of construction, or operation of the final facility, involve the use or diversion of ground or surface water? (Please check appropriate boxes)		xxx
		SOURCE  Ground Water N.A. Public Water Supply N.A.  Surface Water Private Domestic Irrigation		
		Dewatering during Construction Commercial/ Industrial Use Other (Describe)		
	g.	If you answered yes to Question f., what will be the estimated quantity of use or diversion:cfs, orNot applicablegallons/minute where applicablegallons/day		<b>22</b>
	h.	Will your project include construction or modification of any facilities for a public community water supply system (any supply serving 25 or more people on a year-round basis)?		xxx_
7		1. Connection to a Public Community Supply	XXX	
577		2. Development of a Public Community Supply		xxx •
<del>-</del> , • •		3. Development of a Public Non-Community or Non-Public Supply		xxx
* 8		4. Connection to a Public Non-Community or Non-Public Supply We propose to top, the existing Camden to consume 500 gallons per day.	City wa	XXX ter main and

i. Indicate	whether construction or use of the final facility		YES	NO
Will resul	t in discharge of any substance (including cool-			
ing or pro	ocess water) into:			
(1)	Ground Water			xxx
(2)	Surface Water			XXX
(3)	Sewer System		xxx	
Describe :	substance(s): 1200 gallons per da	y of		•
proce to 94	ss water with C.O.D. varying 0 ppm.			
modificat	whether your project includes construction or tion of one or more of the following types of facilities sposal of sewage (wastes other than industrial):	<b>36</b>		
. (1)	Septic Tank and Drainfield Installation			XXX
(2)	Connection to Municipal Sewer System	·	XXX	*******
(3)	Construction of a new sewer extension			XXX
(4)	Development of a non-municipal (independent) treatment facility. Describe			
		_		xxx
(5)	Development or modification of a public			
	treatment plant			XXX
. Will your	project involve the construction of 50 or more	•		<del></del>
dwelling t	units or the equivalent?			XXX
system that	project involve connection to a municipal sewer at is presently under a ban on new connections?  ANT: Consult local authorities or the Department nmental Protection to learn if a ban exists in your			
				XXX
Indicate q	project include construction or modification ility for the treatment of industrial wastewater? uantity of wastewater generated in gallons per day.	ofb., ·		
If answer to Surface Wa	to m. is yes, indicate proposed method of disposal.			
Ground W				
	wned Treatment Works			·
Privately C	Owned Treatment Works			
Will your p	project include the establishment of any man-	•		
See II	facility? Describe plant and product.  I B			
Indicate St	andard Industrial Classification Code			
Will your n	project involve the construction of storage tanks,	•	XXX	***
transportat	r other storage facility for the bulk storage or tion of petroleum products, or other bezerous		5	78
anna ratice?	as defined in N.J.A.C. 7:1E-1.1 et seq? Describe iterial(s), quantity to be stored or transported.	Used and	recycle	d motor oi

		ν
FACILITY TYPE: (Separate Application fo	or Each)	
A. Sanitary Landfill B. Incinerator	C. Compost D. Chemi	
E. Resource Recovery Facility F. T		
I. Sludge J. Disruption K. X Other	Waste Oil Processin	ng
FACILITY NAME:		
This Facility: (Check One) is, xx i under PUC regulation. PUC License No.	s not, will be, (If any)	will not be
FACILITY LOCATION: Attach Map)		Lot_(s)
Street Address	Block No.	Lot_(s)
ConutA	Block No.	Lot (s)
ESTIMATED FACILITY LIFE: 25		Tons
IF EXPANSION ADDITIONAL LIFE		
Cwned (Attach copy of Lease)  Cwned (Attach copy of Deed or Certi Owners Name: (Last)  Cwners Address: Street	ficate of Ownership)(First)	
Municipality	State	
WASTE TYPE: (Check all Types Requested		·
SOLIDS  10. Municipal (Household, Commer and Institutional)	cial 73. Septic 7	Cank Clean-out Was Sewage Sludge
12. Dry Sewage Sludge 13. Bulky Waste	LIQUIDS	
17. Hazardous Waste - Dry  18. Chemical Waste - Dry - Non Hazardous  23. Vegetative Waste 25. Animal and Food Processing W	72. Bulk Li 76. Hazardo	il and Sludge quid and Semi-Liqu us Waste Liquids Chemical Waste
26. Oil Spill Clean-up Wastes 27. Industrial (Non-chemical)	5	79
I certify that the information contaction true to the best of my knowledge.	ained herein and on al	
Signature	Title	
Name Typed		

### FLOWEN OILS DELAWARE VALLEY, INC

Flowen Oils Delaware Valley, Inc. is a New Jersey Corporation incorporated on May 13, 1980. The purpose of the Corporation is to own and operate a Waste Oil Recycling Plant to be located between Carman and Mickel Streets in the City of Camden.

The process for the recycling of waste oil is specifically described in the brochure which is attached to this application. The operation will begin by having trucks owned by the Corporation pick up waste oil from gas stations, garages, industrial plants, and other locations for delivery to the Flowen Oil Plant. The contents of the truck will be evaluated by a lab technician and the oil will be deposited in a large water tank where it will remain for three days until the water and oil have separated. The excess water is then pumped off leaving only the oil and its sedament in the tank.

From the water tank the oil will then be funneled into settlement tanks preparing for an initial heating process to remove solids and other waste particles. It will pass from the settlement tanks into an initial pre-heat phase where the oil is cleaned by the removal of particles and solid waste.

The oil will then pass into a second heating phase where the oil is further thirmed out to permit a second stage of cleaning. Following the second process the oil passes into three steamed heated centrifuges for the removal of the final particles or solids that may still be present in the oil. Emerging from this phase, a small amount of oil will be transmitted back into the plants own boiler enabling it to fire the Corporation's own product...

The remaining oil will pass into blending tanks where it will remain until a demand for the product is made.

Upon receipt of a demand and/or order for the product the appropriate formula will be used for the required product and ultimately passed into a final product tank for delivery to trucks owned by the Company. The trucks will then deliver the product to the customer.

Attached to this application are the engineering drawings, maps and legal descriptions required by the Solid Waste Administration. Additionally drawings of the buildings are included with the application.

With respect to safety devices, the entire system and processing of oil through it is monitored at each stage by a computer. If a failure occurs at any stage, the computer will activate an automatic safety device which will immediately shut down the entire system and send out an audible alarm linked to a visual alarm and indicate where the fault is situated in the system's control panel. In addition to this the steam heated centrifuges have an automatic locking device which prevents the opening of a contrifuge lid while the core is still rotating. Finally, in the event of power failure, all valves close and the process shuts down. There are no air polution problems anticipated since this is not a refining of oil but merely a cleansing of it.

Initially the project will use four vehicles for transporting waste oil in and out of the plant. Three of the vehicles will be Mac trucks with 2,500 gallon or steel or aluminum tanks. The other truck will be a Mac tractor on which will be constructed an Allied 7,500 gallon tank. The vehicles will enter the facility from the Admiral Wilson Boulevard in Camden, New Jersey and 18th Street and unload the waste at the plant. All vehicles

will then exit on 19th Street to the Admiral Wilson Boulevard and proceed along the boulevard to their respective pick up or delivery points.

The by-product from the water will be a non-toxic sludge which will accumulate at the rate of approximately one ton per week and be disposed of by licensed contractors authorized to haul sludge. It is anticipated that this sludge will be disposed of once a month.

To allow for unpredictable fluctuations in input, there is twenty-five (25%) percent extra capacity in the reception storage. Further, the optimum plant operation is only two-thirds (2/3) of the plant's capacity. If the plant were to totally break down the Corporation would simply stop the incoming shipments of fuel oil. Even under total breakdown conditions, the plant would allow for five days further reception of fuel oil prior to having to stop all shipments.

In the event of a complete power failure, the entire system shuts down and all valves close. The product remains in the system until the power is restored.

With respect to fire precautions, there will be emergency exit doors of the pushbar type in the process house and boiler room. The boiler room will be of a blast wall construction with a blast escape sacrificial roof.

Adequate fire extinguishers and fire blankets will be located in the building as required by law.

2 3.12

The attached drawing indicates the floor channeling and grids and tanks to both isolate and separate oil and water from the recycling tank, wash down and general working areas. On leaving the process house this effluent will separate naturally in a primary separation tank prior to passing onto a

four phase interceptor tank and then into a sewer system. This discharge will have a C.O.D. of using up more than One Thousand (1,000) and roughly less that Two Hundred (200).

The plans for discharge prevention containment and spill prevention and control are attached hereto.

The type of wastes will be oily waste collected from garages, industry, dock yards and airport installations. The quantities should run about twenty thousand gallons per day. There is a 10% non-recoverable content in this gallonage, of which possibly one-tenth are solids the remainder being water. The resources recovered from the cocktail of the waste oils is a high quality, low sulpher content fuel oil which can be used as an alternative to #2 fuel oil in industry.

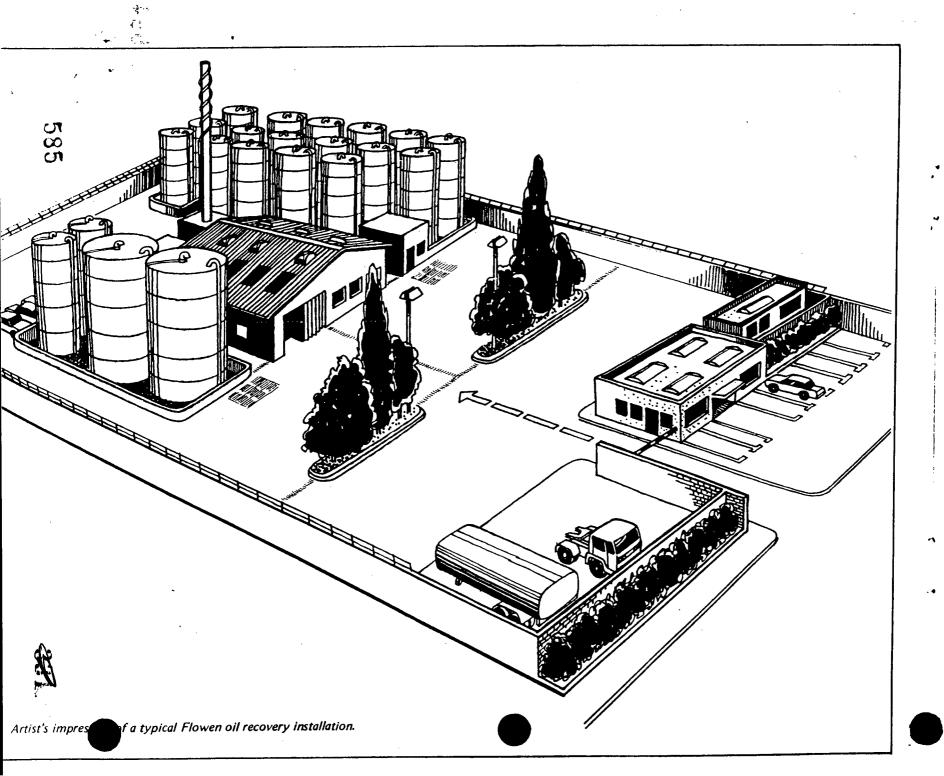
Should any additional information be required by the Administration please contact either one of the below individuals:

William T. Cahill, Jr., Esquire 25 Chestnut Street Haddonfield, New Jersey 08033 (609) 428-2100

Joseph Forte 225 West Taunton Avenue Berlin, New Jersey 08009 (609) 767-8233

FLOWEN OILS DELAWARE VALLEY, INC.

H



#### INTRODUCTION

Every country throughout the world accumulates used hydrocarbon oil — that is, oil not destroyed in its first usage. It is mainly represented by waste lubricating and industrial process oils, and in Great Britain alone it is conservatively calculated at 400,000 tons per annum (100 million gallons).

A waste recycling industry exists in a number of countries, and in Great Britain alone some 250,000 tons are recovered each year. Significant accumulations remain uncollected, and if these waste oils are not identified, collected and handled properly they can present a severe potential environmental hazard.

WASTE LUBRICATING OILS LIMITED have more than 20 years successful practical and profitable experience in oil recycling. This combination of technical and commercial expertise is now available in a comprehensive package which is applicable to a wide range of situations throughout the world.

Wherever oil is used in commercial quantities the potential exists for profitable recycling. The Waste Lubricating Oils Limited package, incorporating Flowen recycling plant, can meet that potential.

#### **PRIMARY CONSIDERATIONS**

The demand, price and availability of fuel oils dictate the market place for the substitute fuel oil, and these factors vary from country to country. Availability, operating costs and profit requirements determine the viability of the recycling process. Alternative methods of recycling used oils require much higher levels of investment and in general show lower returns on capital invested.

The plant, collection, storage and redistribution facilities, described hereunder, are geared to satisfy minimum requirements in a large number of geographical locations. The processing plant can be extended to increase capacity where such capacity is needed.

60

40

30

20

Price in Pence per Gallon

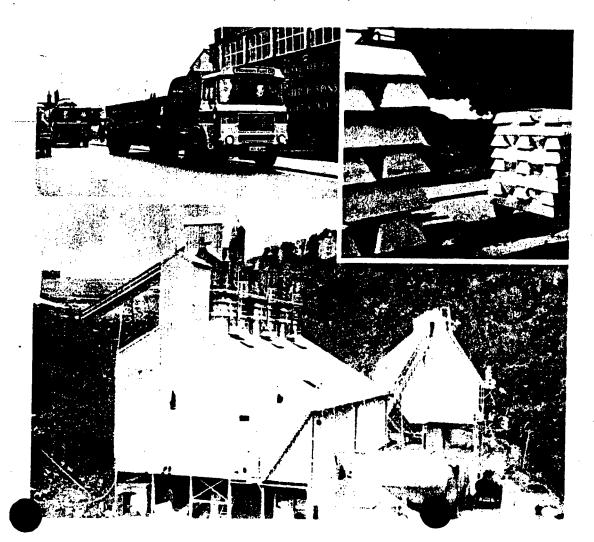
U.K. PRICE OF

35 SEC. FUEL

OIL

#### THE FLOWEN PACKAGE

- (a) A market survey to determine commercial viability and plant location.
- (b) A Flowen Recycling Plant designed to meet the requirements identified by the survey.
- (c) A training package covering collection techniques, processing techniques, plant maintenance, and sale of finished product including design of burners and pumping and heating equipment.
- (d) A trained engineer to commission the plant on completion of installation.





#### OPERATIONAL NEEDS TO PRODUCE UP TO 2 MILLION GALLONS PER ANNUM

#### 1) Collection

The basic requirement is for five road tankers, with four drivers for collection and one for delivery. The Flowen package includes information on the selection of personnel, their training and understanding of all aspects of waste oil collection and the specialist requirements of tanker fleet operation. This latter item is essential to cope with the many unusual factors which can arise in the handling of waste, and therefore contaminated, products.

#### 2) Processing Plant

A typical plant package can be supplied of UK origin with a capacity of up to 1400 gallons per hour. The plant has a capability of converting a mixture of waste lubricating oils to a substitute fuel oil having the characteristics shown in Table 1.

TABLE 1.

				A CONTRACTOR OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF THE PERSON OF	Secretary 2000 Annual Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the	Pour Point
<b>FLOUET</b> Fuel Oil	220	0.4	19500 gross 18500 nett	0.5	0.890	10 <sup>0</sup> C
35 Sec Gas Oil	36				0.835	-12°C
Light Fue! Oil	250	2.2	17870 mg	0.01	0.945	_5°C
Medium Fuel Oil	960	2.1		0.03	0.960	, 6°C
Heavy Fuel Oil	3500	3.5		0.05	0.965	18 <sup>0</sup> C

Locally arising feedstock may result in minor variations to these values.

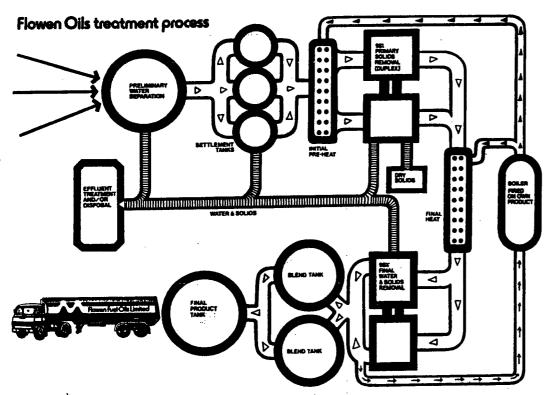
The plant package is supplied ready for assembly and then requires only the connection of external electrical power, water, heating, lighting and drainage. Full installation information is provided together with training and operating support, and a full set of spare parts.

In addition to the processing module there is a requirement for a minimum of four storage tanks, obtained locally, with a total capacity of about 48,000 gallons, together with a



reception tank of 5,000 gallons. A further two tanks of 5,000 gallon capacity each for blending operations, and finally two storage tanks of 12,000 gallon capacity each for the storage of finished product prior to despatch. Full information on selection and siting of tanks is provided.

There is also a requirement for a boiler, fired by the plant's own fuel oil production, for process heating purposes. Again, the specialist knowledge required for a successful installation is provided within the general package.



3) Person (1) In addition to transport personnel, assistance will be given on the selection and training of:—

(a) A Plant Manager who will have the responsibility for plant operation and also the arguments of incoming material and quality control of finished product. Advice all equipment required will be given at this stage.

- (b) Plant Operative The plant is designed on a fail-safe basis.
- (c) Plant Foreman who will also be the Plant Maintenance Engineer.

By increases in staffing to permit shift working, the throughput of the plant can be increased to as much as 20,000 gallons per day — an annual figure of up to five million gallons.

#### 4) Distribution and Administration

Sales and Administration require additional staff to cover;

- Technical Sales
- Accounts
- Administration assistance (typing, telephone etc.)

#### 5) Typical Plant Manning Levels

Assuming a double unit operating six hours of an eight hour shift system, this yields 1400 gallons/hour and 42,000 gallons/five day week. Based on 50 weeks/year, this yields 2,100,00 gallons/annum.

No. of Personnel	Description
1	Company Manager
1	Plant Manager/Technical Manager
1	Plant Foreman/Maintenance Engineer
1	Process Operator
4	Collection Driver
1	Delivery Driver
1	Telephonist/Clerical
1	Technical Salesman

#### **COST FACTORS**

A cost and potential profit study based on capital to be employed is undertaken with a client who wishes to enter into negotiations. This is part of the market survey study for which a fee is charged. However, this cost is offset against any subsequent supply contract.



#### Capital

The total cost of the Flowen Oil Recycling Plant or Technology Package will depend in part on the results of the market survey and the proposed location of the plant.

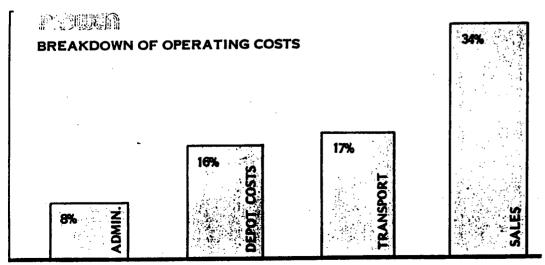
However, the results of market surveys carried out to date indicate a capital pay back in about four years. These results are supported by the successful operation of the UK plant.

#### **Selling Price of Finished Product**

Based on the current UK market experience the price for recycled oil is about 70% of 35 sec gas oil (no.2 fuel oil) prices.

#### Outgoings

Operational costs fall into four main areas and experience shows they can be typically depicted as a percentage of sales.



N.B. These percentages are only examples and will vary according to local conditions.

#### Additional Plant and Equipment

In addition to the cost of the Flowen Oil Recycling Plant and Technology Package, the following minimum capital expenditure will be required:—

#### Transport

One 5,000 gallon - 32 ton gross articulated delivery vehicle, plus ancillary pump and hoses. Four 2,5000 gallon - 16 ton gross rigid collection vehicles, plus ancillary pump and hoses.

#### **Tankage**

Six 12,000 gallon storage tanks.

One 5,000 gallon reception tank.

Two 5,000 gallon blending tanks.

#### **Boiler Installation**

Typically a 2,000 lb/hr steam raising boiler which can be fired by Flowen fuel oil.

#### Civil Engineering

Including site preparation, drainage, buildings etc.

#### Site

A minimum of half an acre, but preferably one acre, of land suitably sited with access to services and road network system.

Copyright Waste Lubricating Oils Limited 1979. Information may not be copied or reproduced in any way in whole or in part without the prior permission in writing of Waste Lubricating Oils Limited.





## State of New Versey

## DEPARTMENT OF ENVIRONMENTAL PROTECTION

# MASTER PERMIT INFORMATION APPLICATION FORM

		E USE ONLY	:	MASTER PERMIT INFOF APPLICATION NUMBER	NOITAME
DA'	TE RI	ECEIVED	RECEIVED BY		
<i>(PLE</i>	TE TE	IE FOLLOWING:			
ı.		PLICANT INFORMATION			•
	<b>A.</b>	Name of Applicant Flower	n Oils Delaware	e Valley, Inc.	
ř		Address Suite 312 (Street No. or R.F.D	2 - 1800 Da <b>v</b> is	St., Camden, N.J.	08104
		(Street No. or R.F.D.) Phone No609 962-71	.) <i>(City)</i> .00	(State)	(Zip Code
	В.	Consultant or Contact Person			
		Address Suite 312 - 1		e as applicant, write SAME;	
		Address(Street No. or R.F.D	(City)	Camden, N. J. 081 (State)	04 (Zip Code
		Phone No. 609 962-7100			124 000
H.	ACT	IVITY LOCATION			
lt.	ACT	Location of Work	Block No.	1431	5
<b>II</b> ,		Location of Work  Camden  Municipality	Block No.	1431 Lot No	5
) <b>(</b> ,		Location of Work		1431 Lot No  River (1000 feet t	•
	A. B.	Location of Work  Camden  Municipality  Camden			•
	A. B.	Location of Work  Camden  Municipality  Camden  County  Camden  Name of and distance from nearest v			to the S
	B.	Location of Work  Camden  Municipality  Camden  County  Camden  Name of and distance from nearest v  IERAL ACTIVITY DESCRIPTION  Beginning Construction Date  Significant Construction Date  Description of Project (Describe the	Cooper	River (1000 feet to	to the S
II.	A.  B.  GEN	Location of Work  Camden  Municipality  Camden  County  Camden  Name of and distance from nearest v  IERAL ACTIVITY DESCRIPTION  Beginning Construction Date  Significant Construction Date  Description of Project (Describe the	Cooper vaterway	River (1000 feet to the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second	to the S

**5**94

#### IV. PROJECT DIAGRAM

Show the general area involved by the project. Include the proposed project improvements, existing topography, streams or bodies of water, landmarks, property lines, north arrow, scale, etc.

وَيُؤْرِّ فِي إِنْ مُعَالِّدُ مِنْ الْمُعَالِينِ مِنْ مُعَالِّدُ مِنْ الْمُعَالِّدُ مِنْ الْمُعَالِينِ مُعْلِم

See attached drawing.



mirt of

,-t. -- ...

		· ·	YES	NO
W	ATER RESOURCES			
<b>a.</b>	All or a portion of the fin	nal activity, or of construction activity,		
	will be located within the	floodplain or within the natural and		
	ordinary high water mark	of a stream or body of water.	·	XXX
	Not applicabl	<b>A</b>		
	(Name of Stream or Body of	E , a tributary of Water)		
	Not and and			
	Not applicabl (Name of Stream or Body of	<u>e</u>		
b.	Work will be conducted (	enter anticipated dates when work will	•	
	take place)			
	Over water Not	applicable	•	. :
				XXX
	In or under water Not	applicable	· <u></u>	XXX
r	Will your proince !- !		•	222
٠.	dam, or the impoundment	the construction or modification of a tof water? Not applicable		
	, and imposinginging	Not applicable		XXX
	Height of spillway will be	feet above immediate		
	downstream invert of char	nnel.		
d.	Will any wells be drilled?	No.		
-	If yes, how many?	Not applicable	·	<u>xxx</u>
e.	Will any wells be modified	, abandoned or sealed?		XXX
f.	Will any phase of construe			
	involve the use or diversion	tion, or operation of the final facility, n of ground or surface water?	•	VVV
	(Please check appropriate	boxes)	*********	XXX
	SOURCE	USE		
	Ground Water N.A.	Public Water Supply N.A.	1	
	Surface Water	Private Domestic	\$7.1 V.	<u> </u>
		Irrigation	destroy.	wag
		Dewatering during		
		Construction		
		Industrial Use		
		Other (Describe)		
ġ.	If you answered yes to O	ertion 6 when the		
	of use or diversion:	estion f., what will be the estimated quantity	•	200
	gallons	/minute where applicable		307 1
	gallons	s/day		
h.	Will your project include a		• .	500
	facilities for a public comm	onstruction or modification of any nunity water supply system (any supply		596
	serving 25 or more people	on a year-round basis!?		xxx
		•		AAA
	1. Connection to a Public	Community Supply	XXX_	٠
	2. Development of a Pub	lic Community Supply		XXX
		lic Non-Community or Non-Public Supply	<del></del>	VVV
		: Non-Community or Non-Public Supply		XXX
	Seminacione de la Publica	DIAD Communication At A 44 and a		XXX

i.	will resul	whether construction or use of the final facility t in discharge of any substance (including cool-	YES	1 NO
•	ing or pro	ocess water) into:	•	
	(1)	Ground Water		xxx ·
	(2)	Surface Water		XXX
	(3)	Sewer System	xxx	
				-
÷	a ser i de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la company	substance (s): 1200 gallons per day of		
:	proce	ess water with C.O.D. varying from	245	
		0 ppm.	•	•
•	modificat	whether your project includes construction or tion of one or more of the following types of facilities is possel of sewage (wastes other than industrial):	e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de l	•
	(1)			12111
•	(2)	Septic Tank and Drainfield Installation	$\overline{x}\overline{x}$	XXX
	(3)	Connection to Municipal Sewer System		
	(4)	Construction of a new sewer extension	******	<u>xxx</u>
."	(4)	Development of a non-municipal (independent) treatment facility. Describe		•
			•	xxx
	(5)	Development or modification of a public	-	
		treatment plant		XXX
k.	Will your	project involve the construction of 50 or more	•	
	dwelling	units or the equivalent?		_ xxx
l.				
١.	system th	project involve connection to a municipal sewer lat is presently under a ban on new connections?		
	(IMPORT	ANT: Consult local authorities or the Department		
	of Enviro	nmental Protection to learn if a ban exists in your		
	brolect 2	or da, ;		XXX
m.	Will your	project include construction or modification	• ••	
	indicate o	cility for the treatment of industrial wastewater?		
	NOL a	phircapie	- <del>1</del> 	
	If answer Surface W	to m. is yes, indicate proposed method of disposal.		
	Ground W	,		
		Owned Treatment Works		·
		Owned Treatment Works	-	
_			<del></del>	<del></del>
n.	Will your	project include the establishment of any man- g facility? Describe plant and product.		
	See II	I B	<del></del>	
	Indicate S (SIC Code	Standard Industrial Classification Code  2992		352
ο.	transporta	project involve the construction of storage tanks, or other storage facility for the bulk storage or ation of petroleum products, or other hazardous s as defined in N.J.A.C. 7:1E-1.1 et seq? Describe	xxx	

.

597

Used and recycled motor oil

facility, material(s), quantity to be stored or transported.

CO	ASTAL RESOURCES	YES	NO
<b>a.</b>	Is any portion of the proposed project situated within coastal wetlands?		XXX
b.	If yes, is it located in one of the following counties: Ocean, Burlington,	•	
	Atlantic, Cape May, Cumberland, Salem, Gloucester, Camden, Mercer?		XXX
_			
C.	Does your project border on a waterway?	<del></del>	XXX
d.	Does your project involve any construction or alteration of a dock, wharf, pier, bulkhead, bridge, pipe line, cable, etc. upon any navigable waterway of this state or bounding thereon?		XXX
B	Is your project located in one of the municipalities listed on Attachment A?	-	xxx
f.	Is your project leasted in any of the second second		
	Is your project located in one of the municipalities listed on Attachment B and within the Pinelands Area?		
	(See map entitled "Pinelands Key for USGS Quads")		`xxx
_	and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o		
<b>9</b> .	Does your project involve the construction of 25 or more dwelling units?		XXX
h.	Does your project involve the construction of 1200 or more linear feet of roadway or pipeline designed for transport of petroleum, natural gas, or sanitary sewerage in a single municipality during one year?	-	XXX
	Does your project involve any of the following activities: (Check appropriate box)	xxx	
	Electric power generation — Food or food byproduct		
	Waste incineration Paper production	•	
	Public facilities — Agri-chemical production		
	Inorganic acids and salts — Mineral products		
	XXX Man /	•	
	Manufacture — Chemical processes  XXX Bulk storage — Metallurgical processes		
	Marine terminal and cargo		
	handling facilities		
	Daniel		
•	Does your project involve the construction of 300 or more parking spaces for motor vehicles?		xxx
 PNI	VIDANIADATALATA		
-47	VIRONMENTAL QUALITY		
<b>ì.</b>	Will the operation be involved in the use, storage, disposal and/or transportation of radioactive material?		xxx
		-	
).	Will the operation be involved with the use of any of the following		•
	radiation producing machines?		XXX
	Particle accelerator		
	—— Analytical x-ray		
	Medical x-ray		-
	Other:		

			YES	NO	
c,	Will	the operation involve the open burning of:		VVV	
		Hazardous materials		XXX	4
		Infested plant life	<del></del>	XXX	
		Plant life for the prevention and control of wildfires		XXX	
		Emergency burning of plant life produced as the result of unforeseen factors such as wind or ice storms		XXX	
		Herbaceous plant life		XXX	
		Orchard prunings		XXX	
d.	Will	the operation involve the cremation of dead bodies?		xxx	
		and open poolings			
0,	and	ne operation will involve the construction, installation, alteration, for use of any equipment or control apparatus which may emit contaminants either directly or indirectly into the outdoor air and			٠
	whi	ch falls into any of the areas listed below, check the appropriate blocks:		•	
	1.	All Air Pollution Control Apparatus (including the white painting of tanks)		XXX	
•	2.	Equipment used in a manufacturing process involving surface coating, including but not limited to spray and dip painting, roller coating, electrostatic depositing or spray cleaning, which emits air contaminants into the open air and in which the quantity of material used in any		·	
		source operation is in excess of 10 pounds in any one hour.		XXX	
	3.	Equipment used in a manufacturing process involving surface cleaning or preparation, including but not limited to degressing, etching, pickling or plating, which emits air contaminants into the open air from a tank or vessel the capacity of which is in excess of 100 gallons.		xxx	
	4.	Equipment used in a manufacturing process, other than as set forth above, which emits air contaminants into the open air either directly or indirectly and in which the combined weight of all materials, excluding air and water, introduced into any one source operation is in excess of 50 pounds in any one hour.		xxx	
	5.	Tanks, reservoirs, containers and bins used for the storage of:			
		a. Liquids, except water, including but not limited to acids, solvents, diluents or thinners, inks, colorants, lacquers, enamels, varnishes, liquid resins, gasolines, crude oils, petrochemicals, commerical fuels, noncommerical fuels and petroleum derivatives; and having a capacity in excess of 10,000 gallons.	xxx		
		b. Solid particles including but not limited to binders, fillers,			
		foodstuffs, detergents, fluxes, catalysts, mineral woods, resins, plastics, pigments, construction materials and solid fuels; and having a capacity in excess of 2,000 cubic feet.		XXX	
	6.	Stationary material handling equipment using pneumatic, bucket or belt conveying systems which emit air contaminants into the open air either directly or indirectly.		xxx	
	7.	Commerical fuel burning equipment having a heat input rate of 1,000,000 BTU per hour or greater to the burning chamber.	XXX		
	8.	Any equipment used for the burning of non-commerical fuel, crude oil or process by-products in any form.		xxx	
	9.	Any incinerator, except incinerators constructed, installed or used in one or two family dwellings or in multi-occupied dwellings containing six or less family units, one of which is owner occupied.		xxx	ı



so	LID WASTE	********	,
a.	Will any material be disposed of on site?		xxx
٠.			31,11,1
b.	Will the construction involve one of the following: If yes, check appropriate item(s):	XXX	<del></del>
	Sanitary Landfill		
	Incinerator		
	Compost		
	Chemical Processing & Treatment		
	Resource Recovery		
	Transfer Station (except standard roll-off roll-on containers but including all permanent structures so used)		
	Sub-soil liquid waste disposal system		· 🔩
	Disruption of a former or existing landfill		•
	Other		
_	M/M		•
C.	Will you be engaged in the act of collection of solid, chemical or liquid waste and/or the transporting of such waste?	xxx	
	·		******
FI	SH & GAME		
a.	Does your proposed project involve the shut off or draw		
	off of the waters of any pond, stream, or lake or the placing of screen in a pond, lake or stream?	•	хх
_			
b.	Does your project involve the collecting of any wildlife (mammal, bird, fish, shellfish, reptile and/or amphibian)		
	for purposes of environmental impact assessment or other		
	use? If yes, please indicate types of wildlife to be collected.	-	XX
HI	STORIC PRESERVATION		
a.	Is the site, structure or object presently listed in:		
	the National Register of Historic Places		XXX
	the State Register of Historic Places	and the second	XXX
b.	Is the site, structure or object of historical, archaeological,	* an a * * *	
	architectural or cultural value so as to render it eligible	. *	
	for inclusion in:  the National Register of Historic Places		xxx
	the State Register of Historic Places		
	the State negister of Historic Places		XXX
c.	Will the project be funded in any part by:		••••
	• Federal funds		XXX
	State, County or Municipal funds		XXX
d.	Will the project encroach in any way on any structures	•	
	or objects of historical, archaeological, architectural or	•	
	cultural value on or surrounding the site?		XXX
e.	Has an architectural or an archaeological survey bean		
	undertaken at any time in the project area?		XXX
	<del>.</del>		
		19 - <b>1</b>	245

I understand that receipt of permit, certificate, license, etc. information in response to filing this Master Permit Information Application Form shall in no way be construed to prevent the Department from requiring additional permits, certificates, licenses, etc., should evaluation of your application or project indicate these are required pursuant to existing or future laws and/or regulations.

The information given on this application is complete and accurate to the best of my knowledge and belief.

10-6-80

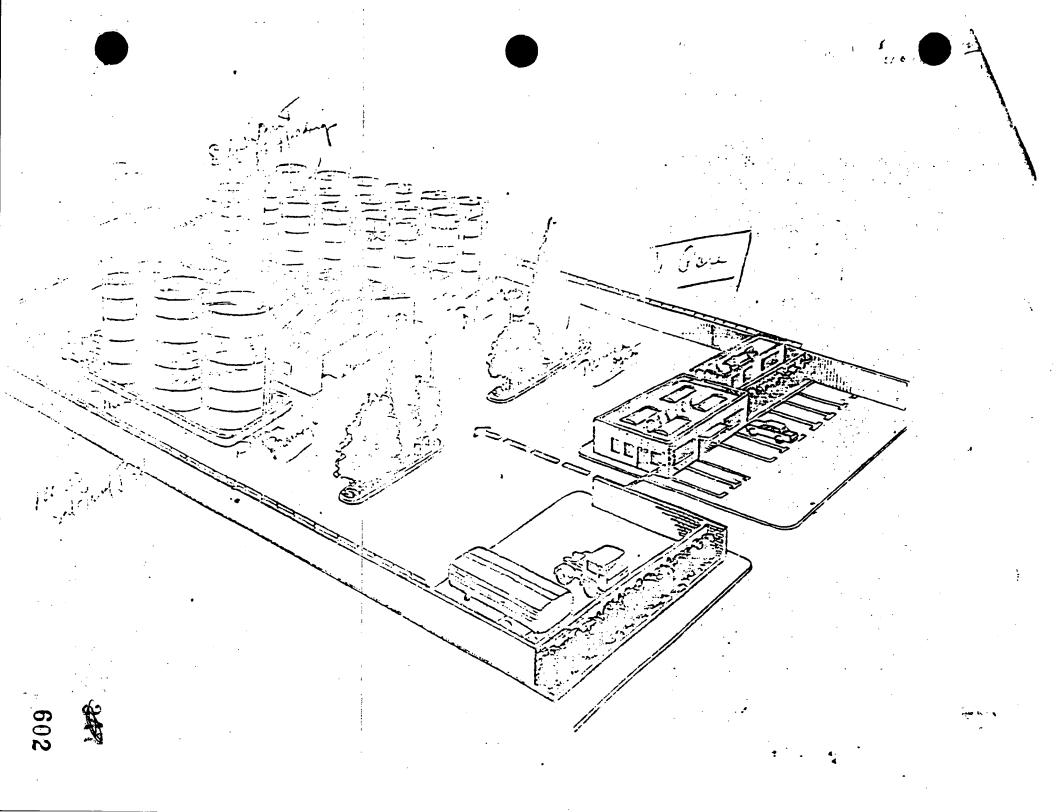
(Date)

Flower Oils Delawage Valley

(Applicant's Signature)

Return completed application with a clear copy of the appropriate USGS map and five (5) sets of site plans to:

Return Completed Application To: Office of Business Advocacy N.J. Department of Labor and Industry P.O. Box 2766 Room 1308 Traiton, N.J. 08625



## MUNICIPALITIES WITHIN THE COASTAL AREA

#### ATLANTIC COUNTY

Absecon City **Atlantic City** Brigantine City Corbin City Egg Harbor City Egg Harbor Township Estell Manor Township'

Galloway Township Hamilton Township **Linwood City** Longport Borough Margate City Mullica Township

Northfield City Pleasantville City Port Republic City Somers Point City Ventnor City Weymouth Township

## Bass River Township

Avalon Borough

Cape May City Cape May Point Borough Dennis Township Lower Township Middle Township

**Bridgeton City** Commerical Township Downe Township Fairfield Township

## Old Bridge Township (Madison)

Aberdeen Township (Matawan) Aberdeen Borough (Matawan) Allenhurst City Asbury Park City Atlantic Highlands Borough Avon-by-the-Sea Borough Belmar Borough Bradley Beach Borough Brielle Borough Deal Borough Eatontown Borough Fair Haven Borougn Hazlet Township

Barnegat Light Borough Barnegat Township (Union) Bay Head Borough Beach Haven Borough Beachwood Borough Berkeley Township Brick Township Dover Township Eagleswood Township Harvey Cedars Borough Island Heights Borough

Alloway Township (not in CAFRA Area) Elsinboro Township

ower Alloways Creek Township

## **BURLINGTON COUNTY**

Washington Township

#### CAPE MAY COUNTY

North Wildwood City Ocean City Sea Isle City Stone Harbor Borough Upper Township

West Cape May Borough West Wildwood Borough Wildwood City West Wildwood Crest Borough Woodbine Borough

#### **CUMBERLAND COUNTY**

Greenwich Township Hopewell Township Lawrence Township

Maurice River Township Millville City Stow Creek Township

### MIDDLESEX COUNTY

#### MONMOUTH COUNTY

Highlands Borough Holmdel Township Interlaken Borough Keansburg Borough Keyport Borough Little Silver Borough Loch Arbour Village Long Branch City Manasquan Borough Middletown Township Monmouth Beach Borough Neptune City Neptune Township

#### OCEAN COUNTY

Jackson Township :: Lacey Township Lakehurst Borough Lakewood Township Lavallette Township Little Egg Harbor Township Long Beach Township Manchester Township Mantoloking Borough Ocean Gate Township Ocean Township

#### SALEM COUNTY

Mannington Township Pennsville Township Quinton Township

Ocean Township Oceanport Borough Red Bank City Rumson Borough Sea Bright Borough Sea Girt Borough Shrewsbury Borough South Belmar Borough Spring Lake Borough Union Beach Borough Wall Township West Long Branch Borough

Pine Beach Borough Point Pleasant Beach Borough Point Pleasant Borough Seaside Heights Borough Seaside Park Borough Ship Bottom Borough South Toms River Borough Stafford Township Surf City Borough Tuckerton Borough

Salem City Upper Penns Neck



## MUNICIPALITIES WITHIN THE PINELANDS AREA

#### ATLANTIC COUNTY

Brigantine City
Buena Borough
Buena Vista Township
Corbin City
Egg Harbor City
Egg Harbor Township
Estell Manor City
Folsom Borough

Galloway Township Hamilton Township Hammonton Mullica Township Port Republic City Somers Point Weymouth Township

#### **BURLINGTON COUNTY**

Bass River Township
Ewesham Township
Medford Lakes Borough
Medford Township
New Hanover Township
North Hanover Township
Pemberton Township

Shamong Township Southampton Township Springfield Township Tabernacle Township Washington Township Woodland Township Wrightstown Borough

## CAMDEN COUNTY

Berlin Borough Berlin Township Chesilhurst Borough

Waterford Township Winslow Township

## CAPE MAY COUNTY

Dennis Township Middle Township

Upper Township Woodbine Borough

## **CUMBERLAND COUNTY**

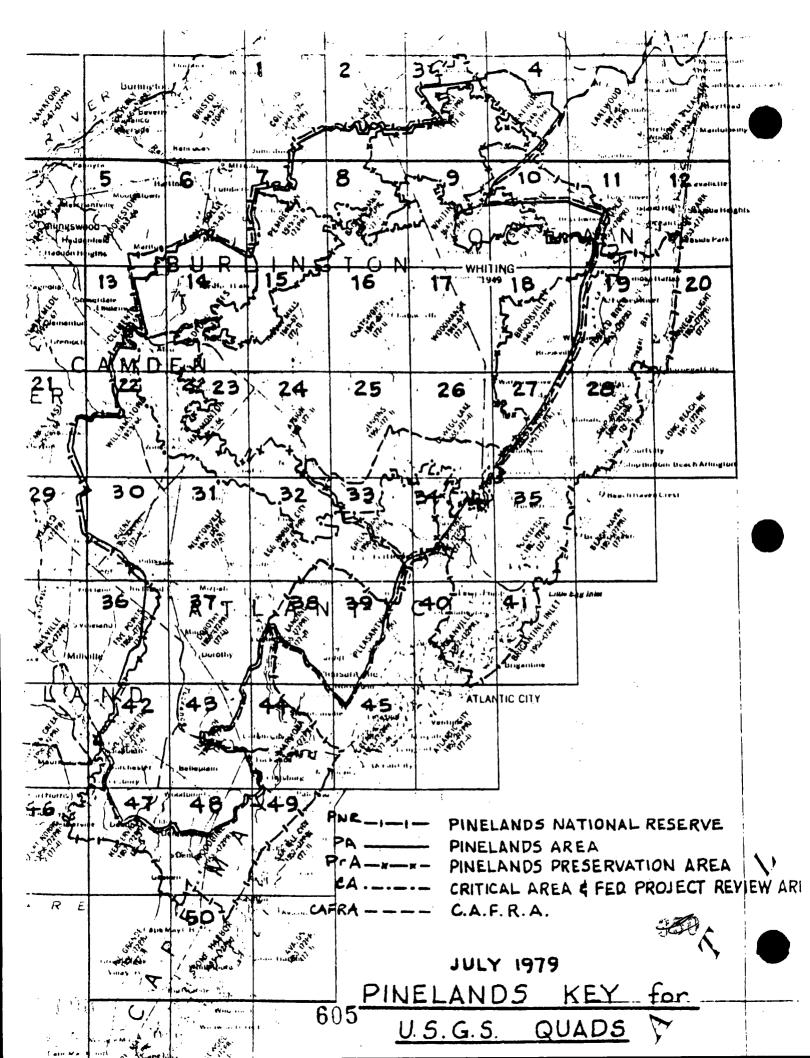
Maurice River Township Vineland City

Vineland Township

#### OCEAN COUNTY

Barnegat Township Beachwood Borough Berkeley Township Dover Township Eagleswood Township Jackson Township Lacey Township Lakehurst Borough

Little Egg Harbor Township Manchester Township Ocean Township Plumstead Township South Toms River Stafford Township Tuckerton Borough



REPORT

ON

DISCHARGE PREVENTION CONTAINMENT

AND

COUNTERMEASURE (SPCC)

FOR

FLOWEN OILS DELAWARE VALLEY

Re: FS 8471 02-10-10

Dated: 30 September, 1980

FISHER AND SAMPSON

Civil Engineers & Land Surveyors

CHERRY HILL, N. J.



REPORT ON DISCHARGE PREVENTION CONTAINMENT AND COUNTER MEASURE (SPCC) FOR FLOWEN OILS DELAWARE VALLEY.

## SITE

The site is a 1.974 acre tract bounded by Carman, Mickle, 18th and 19th Street in Camden, New Jersey.

## OPERATION

Used motor oil is received in the settlement tanks, processed through the process building and stored in the blend and final product tanks.

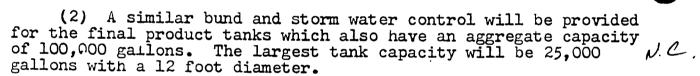
## SPILL AREA

There are three (3) areas subject to potential spills.

(1) The settlement area has 100,000 gallons of storage in 10,000 gallon vertical tanks having a 9 foot diameter and 25 foot height. This settlement area will have a masonary bund wall designed to retain any spillage.

The perimeter bund wall will be subdivided internally by a masonary wall at a lower elevation which may act as a weir.

Storm water will be removed from the bund area by opening a valve. The area will have an earth surface.



(3) The process area will contain the process building and the loading and unloading racks. This area will be contained by a dike 2 foot wide at the top, 5 foot wide at the bottom and 6 inches high. This surface will be paved with bituminous concrete. Storm water will be removed by draining through a 4 tank oil separation interceptor and thence to the city sewer.

## SPILL PREVENTION CONTROL AND COUNTERMEASURES

Spill Prevention Control and Countermeasure Plan will be prepared by Fisher and Sampson for the site in question. This will conform to the E.P.A. Regulations, published in the Federal Register Volume 38, No. 237, dated Tuesday, December 11, 1973.

Thomas A. M. Fisher

N.J.P.E. #7113

September 30, 1980

FISHER AND SAMPSON

Civil Engineers & Land Surveyors

CHERRY HILL, N. J.

## SPILL PREVENTION CONTROL AND COUNTERMEASURE PLAN

FLOWEN OILS DELAWARE VALLEY

1800 Carman Streetr Camden, New Jersey 08105 No Phone as yet

CONTACT

Joe Forte

Certification:	
Engineer: Thomas, A. M. Fisher	
Signature: 5 Cel	
License Number: 7113 State: N. J.	(Seal)
Date: 9/37/50	

## 1. NAME AND OWNERSHIP

Name: Flowen Oil Delaware Valley

1800 Carman Street

Camden, New Jersey 08105 No phone at this time

Manager: Joseph Forte

225 W. Taunton Avenue Berlin, New Jersey 08009 Telephone: (609) 767-8233

Owner: Flowen Oils Delaware Valley

Other Personnel: Four (4) Drivers

Dispatcher

Secretary-Bookkeeper

Maintenance Man Plant Operators

Service Area: Delaware Valley U.S.A.

## 2. DESCRIPTION OF FACILITY

The plant handles, stores, processes and distributes used and recycled motor oil. A Site Plan drawing is attached.

The fixed storage consists of ten (10) tanks at 10,000 gallons for receiving.

Three (3) tanks at 25,000 gallons and three (3) tanks at 10,000  $\rho$ C gallons contain the final product.

Vehicles:

The plant will be surrounded by a security fence and the gate is locked when the plant is unattended.

Four (4) area lights are located in such positions to illuminate the site.

## 3. PAST SPILL EXPERIENCE

(None)

## 4. SPILL PREVENTION STORAGE TANKS

- 1) Each tank will be constructed in accordance with U L 142.
- 2) The main outlet valve on each tank is locked shut when the plant is unattended.
- 609 3) Each tank is equipped with a direct reading gauge.
  - 4) Venting capacity is suitable for the fill and withdrawal rates.

- 5) Main power switch for numps is located in a box which is locked when the bulk plant is unattended.
- A masonary perimeter bund wall surrounds the two tanks assemblies. The volumes are 5400 cubic feet for the final product tanks with 3333 cubic feet of storage in the largest tank (25,000 gallons), and 6600 cubic feet for the settlement tanks with 1333 cubic feet (10,000 gallons) of storage in the largest settlement tank.

An additional 10,000 gallon tank will store full for  $\nu \mathcal{L}$  the boiler.

A valved water drain is located within each perimeter DC.

The Camden City Sewer System extends to 18th and Carman.

A perimeter dike encloses the process building, the unloading area and the loading area. This dike is 8 inches high with 5 to 1 side slopes and a 2 foot width at the top.

## 5. SPILL PREVENTION-VEHICULAR

## Off-Site

Each vehicle is equipped with a shovel and two absorbent pillars. The driver is instructed to achieve emergency containment, if possible, than call office for help immediately.

## 6. PERSONNEL

All personnel will be instructed and rehearsed in the following spill prevention and countermeasure plans:

- 1) No tanks or compartments to be filled without prior check-ing reserves.
- 2) No pump operations waless attended continuously.
- 3) Warring signs are displayed to check for line disconnections before vehicle departures.
- 4) Instructions will be held on oil-spill preention, containment, and retrieval methods, and a "dry-run" drill for an on site vehicular spill incident will be conducted.
- 5) Instructions and phone numbers will be publicized and posted at the office regarding the report of a spill to the E.P.A. and the N.J. D.E.P.
- 6) Instructions and company regulations will be posted conspicuously which relate to oil spills prevention and countermeasure procedures.

## 7. FUTURE SPILL PREVENTION PLANS

By opening day, the following additional plans will be completed:

- 1) On site storage of spill containment and retrieval materials and equipment, bagged absorbent, absorbent pillars and booms, and tools. Storage facility will be well publicized and clearly identified.
- 2) Installation of a sand filled catchment basin for minor, routine spillage at loading pump intakes and at loading rack. Sand to be periodically replaced.
- 3) A routine inspection program with check-off listing of tanks, piping, valves, hoses, and pumps for the prevention of both major spills and also minor spills or leakage through proper maintenance.
- 8. A Site Plan is attached.

Signature



FOR
FLOWEN OIL DELAWARE VALLEY
1800 CARMAN STREET
CAMDEN, NEW JERSEY

Re: FS 8471 02-10-10

Dated: 11 November, 1980

FISHER AND SAMPSON

Civil Engineers & Land Surveyors

CHERRY HILL, N. J.



ENVIRONMENTAL IMPACT STATEMENT FOR FLOWEN OIL DELAWARE VALLEY, 1800 CARMAN STREET, CAMDEN, NEW JERSEY.

#### **OBJECT**

The object of this report is to provide an Environmental Impact Statement for the Special Waste Facilities to be provided at the Flowen Oil site in Camden, New Jersey.

## PROCEDURE

The procedure to be used here is to recycle used hydrocarbon oil to provide a burnable low sulfur product similar to number 2 or 4 fuel oil for industrial consumers. The process uses steam heat, filters and centrifuges. The process is entirely mechanical. There is no chemical reaction and there are no chemical additives. Hereinafter, the potential impact of construction and operation of the special waste facilities is discussed in relation to the following various items.

AIR QUALITY, WITHIN AND AROUND THE FACILITY, INCLUDING POTENTIAL DUST AND ODOR EMISSION

- A. The quality of the air around the facility will be reduced. The boiler will develop 3000 pounds of steam per hour at 212°F, and will consume 25 gallons of flowen oil per hour producing about 2.5 million B T U per hour. Stack gas temperature is estimated at 1100°F. Solids emission is estimated at 0.95 pounds per hour or lll milligrams per cubic meter at 1139°F. The storage tanks will be vented to the atmosphere and will discharge 25 CFM at a temperature of 20°F., plus or minus, the ambient temperature.
- B. Surface and ground water quality will not be decreased. The entire plant will be covered with a concrete slab and surrounded by a perimeter bund and fence. The three (3) interior oil storage areas will also be surrounded by a bund providing sufficient volume for the largest tank plus 20 percent. Oils spilled or leaked in the bunded containment area will be removed manually by portable pump. No direct connection to the storm system will be constructed from the area within the bund. Storm water falling without the bunded area, but inside the perimeter wall will be conducted through an interceptor and oil separator. When oil is observed in the downstream tanks the upstream tanks will be pumped out.

## WASTE PRODUCTS

The process will generate waste products. These will incluFISHER AND SAMPSON

Civil Engineers & Land Surveyors
CHERRY HILL, N. J.



water, oil and non toxic sludge. Liquid wastes will be stored in tanks within the bund. Liquid waste will also be discharged through the sanitary sewer. This waste is expected to have a maximum C.O.D. of 1000 m.g. per liter an average daily C.O.D. of 200 m.g. per liter. The quantity is estimated at 2500 gallons per day.

It is estimated that the process will generate one ton of solid waste per week. This will be stored in an exterior covered container. It will be removed weekly by a licensed scavenger contractor.

## DOMESTIC WASTE

The employees will generate domestic waste estimated at 25 gallons per person per day or 200 gallons per day. This will be disposed of through the sanitary sewers leading from the administration building and mess room.

## WATER SUPPLY, HYDROLOGY, GEOLOGY AND SOILS

Water supply, hydrology, geology and soils will have minimum changes since the construction involves tanks on a concrete slab with a bund, and the operation involves spill containment and separation of oil.

## TOPOGRAPHY, VEGETATION, WILDLIFE, AQUATIC ORGANISMS AND ECOLOGY

Topography, vegetation, wildlife, aquatic organisms and the ecology will have minimum change. The 1888 Topography by C. C. Vermeule shows the area to border a marsh of the Cooper River.

The Engineering Soil Survey of New Jersey - Report 17 - Camden County 1955, classifies the land as AM24 - i g. These are unconsolidated statified alluvial deposits with interbedded silt, silty sand and clayey sand and gravel. The material is poorly sorted with fines distributed throughout the profile. Underlying formations lie close to the surface in many places.

The drainage conditions are imperfect to good. Interval drainage is somewhat retarded by the percentage of fines. From 16 to 58 percent will pass the 200 sieve. The Highway Research Board Classification is A-2-4 or A-4. The depth to bedrock is in excess of 100 feet. The vegetation is uncultivated and noxious weeds, and the wildlife consists of a few birds.

There are no aquatic organism known to be on the site. The nearest water course is Cooper River about 1500 feet to the south.

## DEMOGRAPHIC CONDITIONS

Demographic conditions are static. The land has never been

FISHER AND SAMPSON

Civil Engineers & Land Surveyors

CO	ASTAL RESOURCES	YES	NO
a.	is any portion of the proposed project situated within coastal wetlands?		XXX
b.	If yes, is it located in one of the following counties: Ocean, Burlington,		
	Atlantic, Cape May, Cumberland, Salem, Gloucester, Camden, Mercer?		XXX
2.	Does your project border on a waterway?	<del></del>	XXX
d.	Does your project involve any account	•	
	Does your project involve any construction or alteration of a dock, wharf, pier, bulkhead, bridge, pipe line, cable, etc. upon any		
	navigable waterway of this state or bounding thereon?		XXX
	and the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t		
3.	Is your project located in one of the municipalities listed on Attachment A?		XXX
f.	Is your project located in one of the municipalities listed on Attachment B		
	and within the Pinelands Area?		`.vvi
	(See map entitled "Pinelands Key for USGS Quads")	<del></del> ·	XXX
g.	Does your project involve the construction of 25 or more dwelling units?		XXX
-	- 20 or more awaiting units?		
h.	Does your project involve the construction of 1200 or more linear feet of		•
	roadway or pipeline designed for transport of petroleum, natural gas, or		
	sanitary sewerage in a single municipality during one year?		XXX
i.	Does your project involve any of the following activities:	XXX	
	(Check appropriate box)	<del></del>	<del> </del>
	Electric power generation Food or food byproduct		
	Waste incineration Paper production		
	Public facilities Agri-chemical production		
	Inorganic acids and salts — Mineral products		
	XXX		
	VVV 6 #		
	Marine terminal and cargo		
	handling facilities		
j.	Does your project involve the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		
3.	Does your project involve the construction of 300 or more parking spaces for motor vehicles?		XXX
<b>.</b>			
EN	VIRONMENTAL QUALITY		
a.	Will the operation be involved in the use, storage, disposal and/or		373737
	transportation of radioactive material?		XXX
b.	Will the operation he involved with the		
₩.	Will the operation be involved with the use of any of the following radiation producing machines?		xxx
	Particle accelerator	<del></del>	
	Analytical x-ray		
	Medical x-ray	•	
	Other:		



3.

		·	YES	NO
c,	Will	the operation involve the open purning of:		110
		Hazardous materials		XXX
		infested plant life		XXX
		Plant life for the prevention and control of wildfires		XXX
		Emergency burning of plant life produced as the result		
		of unforeseen factors such as wind or ice storms		XXX
		Herbaceous plant life	·	XXX
	,	Orchard prunings		XXX
d.	Will	the operation involve the cramation of gead bodies?		XXX
<b>e.</b>	and air d	he operation will involve the construction, installation, alteration, /or use of any equipment or control apparatus which may emit contaminants either directly or indirectly into the outdoor air and ch falls into any of the areas listed below, check the appropriate blocks:		•
	1.	All Air Pollution Control Apparatus (including the white painting of tanks)		XXX
	2.	Equipment used in a manufacturing process involving surface coating, including but not limited to spray and dip painting, roller coating, electrostatic depositing or spray cleaning, which emits air contaminants into the open air and in which the quantity of material used in any source operation is in excess of 10 pounds in any one hour.	•	xxx
	3.	Equipment used in a manufacturing process involving surface cleaning		MAN
		or preparation, including but not limited to degreasing, etching, pickling or plating, which emits air contaminants into the open air from a tank or vessel the capacity of which is in excess of 100 gallons.	-	xxx
	4.	Equipment used in a manufacturing process, other than as set forth above, which emits air contaminants into the open air either directly or indirectly and in which the combined weight of all materials, excluding air and water, introduced into any one source operation is in excess of 50 pounds in any one hour.		xxx
	5.	Tanks, reservoirs, containers and bins used for the storage of:		
		a. Liquids, except water, including but not limited to acids, solvents, diluents or thinners, inks, colorants, lacquers, enamels, varnishes, liquid resins, gasolines, crude oils, petrochemicals, commerical fuels, noncommerical fuels and petroleum derivatives; and having a capacity in excess of 10,000 gallons.	XXX	
		b. Solid particles including but not limited to binders, fillers, foodstuffs, detergents, fluxes, catalysts, mineral woods, resins, plastics, pigments, construction materials and solid fuels; and having a capacity in excess of 2,000 cubic feet.		xxx
	6.	Stationary material handling equipment using pneumatic, bucket or belt conveying systems which emit air contaminants into the open air either directly or indirectly.		xxx
	7.	Commercial fuel burning equipment having a heat input rate of 1,000,000 BTU per hour or greater to the burning chamber.	XXX	
	8.	Any equipment used for the burning of non-commerical fuel, crude oil or process by-products in any form.		xxx
	9.	Any incinerator, except incinerators constructed, installed or used in one or two family dwellings or in multi-occupied dwellings containing six or less family units, one of which is owner occupied.		xxx

- 6 -

		YES	NO_
SOL	ID WASTE		: :
a.	Will any material be disposed of on site?		XXX
b.	Will the construction involve one of the following:  If yes, check appropriate item(s):	XXX	
	Sanitary Landfill		
	Incinerator		
	Compost		
	Chemical Processing & Treatment		
	Resource Recovery		
	Transfer Station (except standard roll-off roll-on containers but including all permanent structures so used)		
	Sub-soil liquid waste disposal system		•
	Disruption of a former or existing landfill		
	Other Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control Control		
C.	Will you be engaged in the act of collection of solid, chemical or liquid waste and/or the transporting of such waste?	XXX	
FIS	SH & GAME		
a.	Does your proposed project involve the shut off or draw		
	off of the waters of any pond, stream, or lake or the placing of screen in a pond, lake or stream?		· XX
	or salesti in a perio, rana o. straging		
b.	Does your project involve the collecting of any wildlife		
	(mammal, bird, fish, shellfish, reptile and/or amphibian) for purposes of environmental impact assessment or other		
	use? If yes, please indicate types of wildlife to be collected.		X
HI	STORIC PRESERVATION		
a.	is the site, structure or object presently listed in:		
٠.	the National Register of Historic Places		XXX
	• the State Register of Historic Places		XXX
· •	the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		
b.	Is the site, structure or object of historical, archaeological, architectural or cultural value so as to render it eligible		
	for inclusion in:		XXX
	• the National Register of Historic Places		
	the State Register of Historic Places		XXX
c.	Will the project be funded in any part by:		***
	• Federal funds		XXX
	State, County or Municipal funds		XXX
d.	the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		
	or objects of historical, archaeological, architectural or		37371
	cultural value on or surrounding the site?		XXX
e.	Has an architectural or an archaeological survey been		
	undertaken at any time in the project area?		XXX

I understand that receipt of permit, certificate, license, etc. information in response to filing this Master Permit Information Application Form shall in no way be construed to prevent the Department from requiring additional permits, certificates, licenses, etc., should evaluation of your application or project indicate these are required pursuant to existing or future laws and/or regulations.

The information given on this application is complete and accurate to the best of my knowledge and belief.

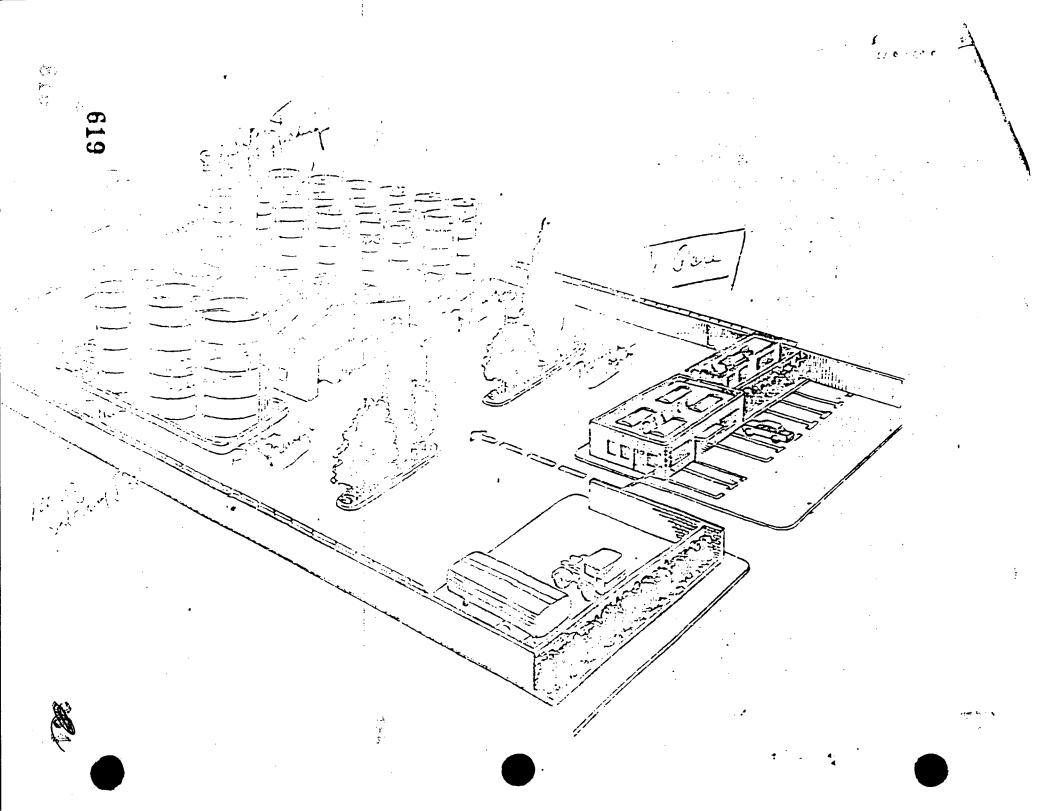
15-6-80

FLOWEN OILS Delawage VAlley,

Mapplicant's Signature)

Return completed application with a clear copy of the appropriate USGS map and five (5) sets of site plans to:

Return Completed Application To:
Office of Business Advocacy
N.J. Department of Labor and Industry
P.O. Box 2766 Room 1308
Tranton, N.J. 08625



## MUNICIPALITIES WITHIN THE COASTAL AREA

## ATLANTIC COUNTY

**BURLINGTON COUNTY** 

Absecon City Atlantic City Brigantine City Corbin City Egg Harbor City Egg Harbor Township Estell Manor Township'

Galloway Township Hamilton Township Linwood City Longport Borough Margate City Mullica Township

Northfield City Pleasantville City Port Republic City Somers Point City Ventnor City Weymouth Township

#### Bass River Township

Avalon Borough Cape May City Cape May Point Borough Dennis Township Lower Township Middle Township

CAPE MAY COUNTY North Wildwood City Ocean City Sea Isle City Stone Harbor Borough Upper Township

Washington Township

West Cape May Borough West Wildwood Borough Wildwood City West Wildwood Crest Borough Woodbine Borough

Bridgeton City Commerical Township Downe Township Fairfield Township

## CUMBERLAND COUNTY

Greenwich Township Hopewell Township Lawrence Township

Maurice River Township Millville City Stow Creek Township

## Old Bridge Township (Madison)

#### Aberdeen Township (Matawan) Aberdeen Borough (Matawan) Allenhurst City Asbury Park City Atlantic Highlands Borough Avon-by-the-Sea Borough Beimar Borougn Bradley Beach Borough Brielle Borough Deal Borough

Eatontown Borough

Fair Haven Borougn

Hazlet Township

Barnegat Light Borough Barnegat Township (Union) Bay Head Borough Beach Haven Borough Beachwood Borough Berkeley Township Brick Township Dover Township Eagleswood Township

Harvey Cedars Borough

Island Heights Borough

## MONMOUTH COUNTY

MIDDLESEX COUNTY

Highlands Borough Holmdel Township Interlaken Borough Keansburg Borough Keyport Borough Little Silver Borough Loch Arbour Village Long Branch City Manasquan Borough Middletown Township Monmouth Beach Borough Neptune City Neptune Township

Ocean Township Oceanport Borough Red Bank City Rumson Borough Sea Bright Borough Sea Girt Borough Shrewsbury Borough South Beimar Borough Spring Lake Borough Union Beach Borough Wall Township

West Long Branch Borough

## OCEAN COUNTY

Jackson Township Lacey Township Lakehurst Borough Lakewood Township Lavallette Township Little Egg Harbor Township Long Beach Township Manchester Township Mantoloking Borough Ocean Gate Township Ocean Township

Pine Beach Borough Point Pleasant Beach Borough Point Pleasant Borough Seaside Heights Borough Seaside Park Borough Ship Bottom Borough South Toms River Borough Stafford Township Surf City Borough Tuckerton Borough

#### Alloway Township (not in CAFRA Area) Elsinboro Township

Lower Alloways Creek Township

## SALEM COUNTY

Mannington Township Pennsville Township Quinton Township

Salem City Upper Penns Neck **620** 

Charles .

## MUNICIPALITIES WITHIN THE PINELANDS AREA

## ATLANTIC COUNTY

Brigantine City
Buena Borough
Buena Vista Township
Corbin City
Egg Harbor City
Egg Harbor Township
Estell Manor City
Folsom Borough

Galloway Township Hamilton Township Hammonton Mullica Township Port Republic City Somers Point Weymouth Township

#### **BURLINGTON COUNTY**

Bass River Township
Evesham Township
Medford Lakes Borough
Medford Township
New Hanover Township
North Hanover Township
Pemberton Township

Shamong Township Southampton Township Springfield Township Tabernacle Township Washington Township Woodland Township Wrightstown Borough

## **CAMDEN COUNTY**

Berlin Borough Berlin Township Chesilhurst Borough

Waterford Township Winslow Township

#### CAPE MAY COUNTY

Dennis Township
Middle Township

Upper Township Woodbine Borough

## CUMBERLAND COUNTY

Maurice River Township Vineland City

Vineland Township

#### OCEAN COUNTY

Barnegat Township
Beachwood Borough
Berkeley Township
Dover Township
Eagleswood Township
Jackson Township
Lacey Township
Lakehurst Borough

Little Egg Harbor Township Manchester Township Ocean Township Plumstead Township South Toms River Stafford Township Tuckerton Borough developed except for Carman Street. The other bounding streets are dedicated, but not physically open. The bounding properties are industrial with the R. M. Hollingshed Chemical Plant and other chemical plants to the west and small steel fabricators, and building suppliers to the north. The adjacent land on the south and east is unimproved, level, vacant with high grasses and noxious weeds.

## AUTO TRAFFIC PATTERNS

Auto traffic patterns will increase. Two hundred (200) vehicle trips per day will be generated. These will use Federal Street, Carman Street, lith Street and Admiral Wilson Boulevard.

Pedestrial traffic patterns will be increased by less than 100 trips per day. These will involve employees and a few visitors. There is little pedestrial activity on Carman Street or 18th Street.

## AMBIENT NOISE ENVIRONMENT

Ambient noise environment will be increased by the noise from the trucks and pedestrians. This noise will be intermittent and will not exceed 200 vehicles or 100 pedestrians per day. Some small noise will be created by the stack gases, however, this will be minimal. Some small noise will be created by pumps and centrifuges within the process building. However, the estimated DB level at 100 feet is 50.

## VISUAL AND QUALITATIVE AESTHETICS

The construction phase will consist of clearing, grading, a slab on ground, concrete perimeter walls and drain lines.

Three (3) prefabricated one story buildings (largest  $50 \times 50$ ) will be placed on the slab, together with 200,000 gallons of storage in 10,000 and 25,000 gallon tanks. The tank will be surrounded by a bund containment wall. The tanks will not exceed 15 feet in diameter or 30 feet in height and will be of painted steel construction.

The collection of a waste product (used lubricating oil) from the surrounding area (50 miles) and the consumption of this oil by industry to provide energy (after processing) will be a benefit to the environment. This process has been in use in the United Kingdom for five years after having been developed by a company operating in this building for over twenty years.

## HISTORICAL AND ARCHEOLOGICAL RESOURCES

The site is level, and consists of fill. Test borings by Site Engineers, Voorhees Township, New Jersey, on 10 November, 1980, indicate 9 to 14 feet of fill on the site. We feel no significant

FISHER AND SAMPSON

Civil Engineers & Land Surveyors

CHERRY HILL: N. J.

archeological or historical resources will be recovered from the site due to the fill material.

# LISTING OF ADVERSE IMPACTS WHICH CANNOT BE AVOIDED BY FACILITY CONSTRUCTION OR OPERATION.

- 1. Removal of existing foliage and habitat for wildlife.
- 2. Increased stack emissions.
- 3. Increased vehicular and pedestrian traffic.
- 4. Increased noise.
- 5. Increased oil spills.
- 6. Increased Runoff.
- 7. Increased sanitary sewerage.

## ADVERSE IMPACTS ON THE ENVIRONMENT WILL BE MINIMIZED DURING CONSTRUCTION AND OPERATION BY THE FOLLOWING

- 1. Paving of the site with a concrete slab.
- 2. Construction of bund containment walls around the storage tanks.
- 3. Construction of a curb around the perimeter of the site.
- 4. Instigation of a spill prevention and containment program.
- 5. Construction of trench drains, interceptor devices and oil separators.
- 6. Use of a portable pump to remove spills.
- 7. Provisions of an employees lunch room and dressing room.

## LIST OF PERTINENT PUBLISHED INFORMATION

- 1. Flowen copyright by Waste Lubricating Oils Limited 1979.
- 2. U.S. Quadrangle Sheet Camden 1949.

3. Engineering Soil Survey of N. J.Report 17, 1955.

Thomas A.M. Fisher N.J.P.E. #7113

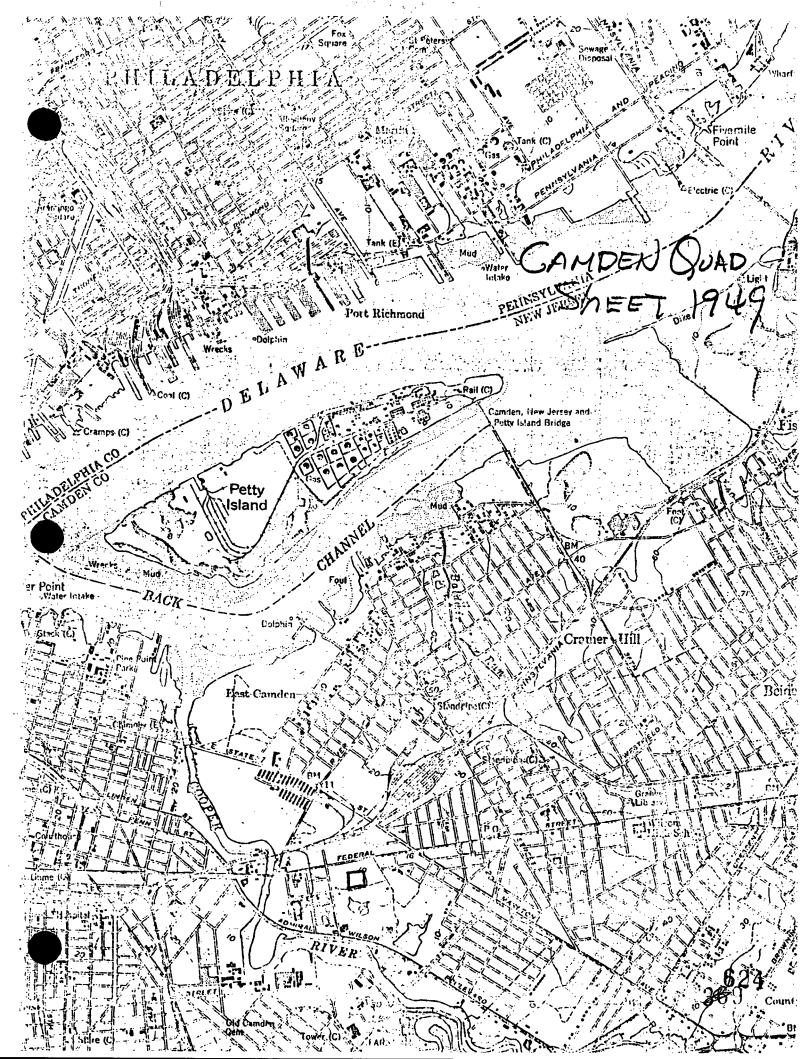
Dated: 11 November, 1980

FISHER AND SAMPSON

Civil Engineers & Land Surveyors

CHERRY HILL, N. J.

A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA





625 1888 Topography by C.C.VERMEULE

		• •	e state in the second of the second		the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
				AND THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF T	
			· · · · · · · ·		
	र्म		• •		
	807				
	2				
		<u> </u>			
-		CARMAN	STREET	(60'wide)	
:			84°16'E -		
	7		400.00'	3	
	70.			3	
				marine Angel	
	F. E. E.			2 m 23	
	1 46	<u>1.97</u>	14 Acres	#4 E	
	2 alu	**		N N	THE AND
	\$ Z			00	
			400.00 B4°16'W	A state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the sta	
	·	MICKIF	STREET (60	(mich )	
1		(not)	STREET (60 Ohysically open)		
Ī		•			
ı					
İ				•	
ı			•	•	
1	erseng a gar				en en e
			e per de descripción de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la com	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	
			-	626	3-1
l	· _				
I		•	50	URVEY OF PI	REMISES
		•	1855T to	CARMAN ST. C	AMDEN, N. J.
	•		Pari	tof Lot 5 Bloc	k 1431
				of Camder	
			<u> </u>		RAWMEY PATE
	To Flower Oils Delawa	re Valley, Inc.		& SAMPSON " NGS HIGHWAY	ABS 175cpt 1980
1.	'In consideration of the fee paid for m			IILL, N.J. 08034	HECKED SCALE
	ertify to its accuracy (except such easy sted below the surface of the lands of	or on the surface of the lands	<del></del>	A.M. FISHER, N.J.F	
	' I not visible); as an inducement for a he title to the lands and premises shown	thereon. This responsibility	<b>.</b>	SAMPSON, N.	
'	imited to the current matter for which i	t is buildingsed."			DATE
	eful N.S. I	3. 12384			DATE
	$\mathcal{O}^{*}$	•	PROJECT NO.	1171 men 19-11	2.10. bushi bilian / ha
			· · · · · · · · · · · · · · · · · · ·		



## State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL QUALITY
JOHN FITCH PLAZA, CN027, TRENTON, N.J. 08625
SOLID WASTE ADMINISTRATION

December 15, 1980

Honorable Siegfried Horowitz Mayor Pennsauken Township 5605 North Cresent Blvd. Pennsauken, NJ 08110

Re: Flowen Oils Delaware Valley, Inc. Proposed Waste Oil Recycling Plant, Camden City, Camden County

Dear Mayor Horowitz:

The Bureau of Hazardous Waste is reviewing the engineering design, registration statement and related materials for a proposed waste oil recycling facility. The proposed location of the facility is within the City of Camden and is described in the enclosed materials.

The applicant is seeking to register this facility in accordance with N.J.S.A. 13:1E-1 et. seq. (Solid Waste Management Act of 1970).

We wish to extend to you the opportunity to review and comment on the material submitted. In this regard, we have enclosed portions of our draft hazardous waste regulations which the Bureau of Hazardous Waste has recommended to the applicant as appropriate State guidance. Ultimately, the applicant must comply with all finalized state and federal Resource Conservation and Recovery Act (RCRA) regulations.

Note that the Bureau requires that a disclosure statement be submitted for Stage I Site Approval according to Section 7:26-8.16 of the proposed hazardous waste regulations. This statement has not been received. When it is, a copy will be forwarded to you.

It would be appreciated if you would submit written comments on the matter of the approval of this site as a waste oil recycling facility within thirty (30) days of the receipt of this letter.

If you have any questions regarding this matter, please contact Mr. Robert Chinery of my staff at (609) 984-4078.

Very truly yours,

Relph Passeri

Ralph Pasceri Chief Bureau of Hazardous Waste

RP:BC:hjg

Attachment



## State of New Jersey

#### DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF ENVIRONMENTAL QUALITY JOHN FITCH PLAZA, CN027, TRENTON, N.J. 08625

SOLID WASTE ADMINISTRATION

December 15, 1980

Honorable Angelo J. Errichetti Mayor Camden City 6th and Market Street Camden, NJ 08101

Re: Flowen Oils Delaware Valley, Inc. Proposed Waste Oil Recycling Plant, Camden City, Camden County

Dear Mayor Errichetti:

The Bureau of Hazardous Waste is reviewing the engineering design, registration statement and related materials for a proposed waste oil recycling facility. The proposed location of the facility is within the City of Camden and is described in the enclosed materials.

The applicant is seeking to register this facility in accordance with N.J.S.A. 13:1E-1 et. seq. (Solid Waste Management Act of 1970).

We wish to extend to you the opportunity to review and comment on the material submitted. In this regard, we have enclosed portions of our draft hazardous waste regulations which the Bureau of Hazardous Waste has recommended to the applicant as appropriate State guidance. Ultimately, the applicant must comply with all finalized state and federal Resource Conservation and Recovery Act (RCRA) regulations.

Note that the Bureau requires that a disclosure statement be submitted for Stage I Site Approval according to Section 7:26-8.16 of the proposed hazardous waste regulations. This statement has not been received. When it is, a copy will be forwarded to you.

Honorable Angelo J. Errichetti Page 2

It would be appreciated if you would submit written comments on the matter of the approval of this site as a waste oil recycling facility within thirty (30) days of the receipt of this letter.

If you have any questions regarding this matter, please contact Mr. Robert Chinery of my staff at (609) 984-4078.

Very truly yours,

Ralph Paneri

Ralph Pasceri Chief Bureau of Hazardous Waste

RP:BC:hjg

Attachment



## State of New Jersey

# DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF ENVIRONMENTAL QUALITY JOHN FITCH PLAZA, CN027, TRENTON, N.J. 08625 SOLID WASTE ADMINISTRATION

December 15, 1980

Mr. Joseph T. Patermo Planning Director Camden County Planning Board 600 Market Street Camden, NJ 08102

Re: Clowen Oils Delaware Valley, Inc. Proposed Waste Oil Recycling Plant, Camden City, Camden County

Dear Mr. Patermo:

The Bureau of Hazardous Waste is reviewing the engineering design, registration statement and related materials for a proposed waste oil recycling facility. The proposed location of the facility is within the City of Camden and is described in the enclosed materials.

The applicant is seeking to register this facility in accordance with N.J.S.A. 13:1E-1 et. seq. (Solid Waste Management Act of 1970).

We wish to extend to you the opportunity to review and comment on the material submitted. In this regard, we have enclosed portions of our draft hazardous waste regulations which the Bureau of Hazardous Waste has recommended to the applicant as appropriate State guidance. Ultimately, the applicant must comply with all finalized state and federal Resource Conservation and Recovery Act (RCRA) regulations.

Note that the Bureau requires that a disclosure statement be submitted for Stage I Site Approval according to Section 7:26-8.16 of the proposed hazardous waste regulations. This statement has not been received. When it is, a copy will be forwarded to you.



It would be appreciated if you would submit written comments on the matter of the approval of this site as a waste oil recycling facility within thirty (30) days of the receipt of this letter.

If you have any questions regarding this matter, please contact Mr. Robert Chinery of my staff at (609) 984-4078,

Very truly yours,

Ralph Pasceri

Ralph Pasceri Chief Bureau of Hazardous Waste

RP:BC:hjg

Attachment



#### STATE OF NEW JERSEY

## DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF ENVIRONMENTAL QUALITY JOHN FITCH PLAZA, CN 027, TRENTON, N.J. 08625 SOLID WASTE ADMINISTRATION

March 11, 1981

Mayor and Council Camden City 6th and Market Streets Camden, New Jersey 08101

RE: Flowen Oils Delaware Valley, Inc., Proposed Waste Oil Recycling Plant, Camden City, Camden County

#### Gentlemen:

As per the December 15, 1980 letter requesting comments regarding the above referenced facility, please note that we are in the final stages of our review process. Pursuant to the rules and regulations of the Bureau of Hazardous Waste, a public hearing for the proposed facility will take place on April 6, at 7:00 p.m., at the Rutgers Law School, Room 204, 5th and Penn Streets, Camden.

Prior to holding the public hearing, representatives of the City Governing Body may wish to meet with the Bureau to discuss the application. If you should desire such a meeting, please contact the Bureau at (609) 292-9877, preferably within one week of receipt of this letter, so that such a meeting can be expeditiously scheduled for a mutually convenient time.

Very truly yours,

Ralph Pasceri

Ralph Pasceri Chief Bureau of Hazardous Waste

RP:MK:ps

CERTIFIED MAIL

CC: Camden City Health Dept.

developed except for Carman Street. The other bounding streets are dedicated, but not physically open. The bounding properties are industrial with the R. M. Hollingshed Chemical Plant and other chemical plants to the west and small steel fabricators, and building suppliers to the north. The adjacent land on the south and east is unimproved, level, vacant with high grasses and noxious weeds.

#### AUTO TRAFFIC PATTERNS

Auto traffic patterns will increase. Two hundred (200) vehicle trips per day will be generated. These will use Federal Street, Carman Street, 18th Street and Admiral Wilson Boulevard.

Pedestrial traffic patterns will be increased by less than 100 trips per day. These will involve employees and a few visitors. There is little pedestrial activity on Carman Street or 18th Street.

#### AMBIENT NOISE ENVIRONMENT

Ambient noise environment will be increased by the noise from the trucks and pedestrians. This noise will be intermittent and will not exceed 200 vehicles or 100 pedestrians per day. Some small noise will be created by the stack gases, however, this will be minimal. Some small noise will be created by pumps and centrifuges within the process building. However, the estimated DB level at 100 feet is 50.

#### VISUAL AND QUALITATIVE AESTHETICS

The construction phase will consist of clearing, grading, a slab on ground, concrete perimeter walls and drain lines.

Three (3) prefabricated one story buildings (largest  $50 \times 50$ ) will be placed on the slab, together with 200,000 gallons of storage in 10,000 and 25,000 gallon tanks. The tank will be surrounded by a bund containment wall. The tanks will not exceed 15 feet in diameter or 30 feet in height and will be of painted steel construction.

The collection of a waste product (used lubricating oil) from the surrounding area (50 miles) and the consumption of this oil by industry to provide energy (after processing) will be a benefit to the environment. This process has been in use in the United Kingdom for five years after having been developed by a company operating in this building for over twenty years.

#### HISTORICAL AND ARCHEOLOGICAL RESOURCES

The site is level, and consists of fill. Test borings by Site Engineers, Voorhees Township, New Jersey, on 10 November, 1980, indicate 9 to 14 feet of fill on the site. We feel no significant

FISHER AND SAMPSON

Civil Engineers & Land Surveyors

634

archeological or historical resources will be recovered from the site due to the fill material.

### LISTING OF ADVERSE IMPACTS WHICH CANNOT BE AVOIDED BY FACILITY CONSTRUCTION OR OPERATION.

- 1. Removal of existing foliage and habitat for wildlife.
- 2. Increased stack emissions.
- 3. Increased vehicular and pedestrian traffic.
- 4. Increased noise.
- 5. Increased oil spills.
- 6. Increased Runoff.
- 7. Increased sanitary sewerage.

#### ADVERSE IMPACTS ON THE ENVIRONMENT WILL BE MINIMIZED DURING CON-STRUCTION AND OPERATION BY THE FOLLOWING

- 1. Paving of the site with a concrete slab.
- 2. Construction of bund containment walls around the storage tanks.
- 3. Construction of a curb around the perimeter of the site.
- 4. Instigation of a spill prevention and containment program.
- 5. Construction of trench drains, interceptor devices and oil separators.
- 6. Use of a portable pump to remove spills.
- 7. Provisions of an employees lunch room and dressing room.

#### LIST OF PERTINENT PUBLISHED INFORMATION

- 1. Flowen copyright by Waste Lubricating Oils Limited 1979.
- 2. U.S. Quadrangle Sheet Camden 1949.

3. Engineering Soil Survey of N. J.Report 17, 1955.

Thomas A.M. Fisher

N.J.P.E. #7113

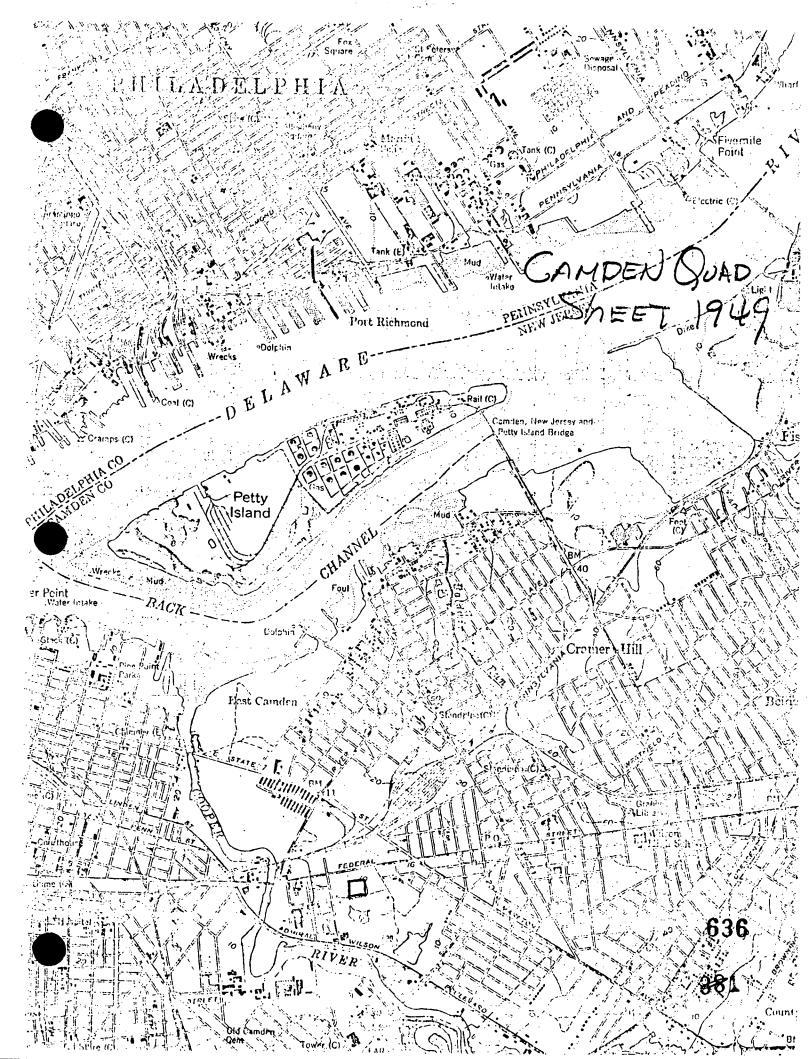
Dated: 11 November, 1980

FISHER AND SAMPSON

Civil Engineers & Land Surveyors

CHERRY HILL, N. J.

388



637 1888 Topography by C.C.VERMEULE

38%

<b>1</b>	
CARMAN ST	REET (60'wide)
N84° (6:	
400.	EET (county)
1.974 AS 1.974 AS	cres
400.0	
MICKLE STR	EET (60'wide)
	63 <b>8</b>
	SURVEY OF PREMISES 1855 T (ARMAN ST. CAMDEN, N. J.
	Part of Lot 5 Block 1431 City of Camden, N. J.
To Flowen Oils Delaware Valley, Inc. To any insurer of Title relying hereon: "In consideration of the fee paid for making this survey, I hereby certify to its accuracy (except such easements, if any, that may be	FISHER & SAMPSON 929 N. KINGS HIGHWAY CHERRY HILL, N.J. 08034
eted below the surface of the lands or on the surface of the lands a not visible); as an inducement for any insurer of title to insure the title to the lands and premises shown thereon. This responsibility limited to the current metter for which it is before ised."	THOMAS A.M. FISHER, N.J.P.E. & L.S. LIC. 7113 ALFRED B. SAMPSON, N.J.L.S. LIC. 12354
N.J. L.S. 123\$4	CATE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE C
	PROJECT NO. 847/ SILE 02-10-10: MESTI AIL OF



#### State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL QUALITY
JOHN FITCH PLAZA, CN027, TRENTON, N.J. 08625
SOLID WASTE ADMINISTRATION

December 15, 1980

Honorable Siegfried Horowitz Mayor Pennsauken Township 5605 North Cresent Blvd. Pennsauken, NJ 08110

Re: Flowen Oils Delaware Valley, Inc. Proposed Waste Oil Recycling Plant, Camden City, Camden County

Dear Mayor Horowitz:

The Bureau of Hazardous Waste is reviewing the engineering design, registration statement and related materials for a proposed waste oil recycling facility. The proposed location of the facility is within the City of Camden and is described in the enclosed materials.

The applicant is seeking to register this facility in accordance with N.J.S.A. 13:1E-1 et. seq. (Solid Waste Management Act of 1970).

We wish to extend to you the opportunity to review and comment on the material submitted. In this regard, we have enclosed portions of our draft hazardous waste regulations which the Bureau of Hazardous Waste has recommended to the applicant as appropriate State guidance. Ultimately, the applicant must comply with all finalized state and federal Resource Conservation and Recovery Act (RCRA) regulations.

Note that the Bureau requires that a disclosure statement be submitted for Stage I Site Approval according to Section 7:26-8.16 of the proposed hazardous waste regulations. This statement has not been received. When it is, a copy will be forwarded to you.

It would be appreciated if you would submit written comments on the matter of the approval of this site as a waste oil recycling facility within thirty (30) days of the receipt of this letter.

If you have any questions regarding this matter, please contact Mr. Robert Chinery of my staff at (609) 984-4078.

Very truly yours,

Relph Pasceri

Ralph Pasceri Chief Bureau of Hazardous Waste

RP:BC:hjg

Attachment



# This Page is Intentionally Blank



FINAL DRAFT
SITE INSPECTION REPORT
FLOWEN OIL DELAWARE VALLEY CORP.
CAMDEN, CAMDEN COUNTY, NEW JERSEY
VOLUME 3. OF 3

FIELD INVESTIGATION TEAM ACTIVITIES AT UNCONTROLLED HAZARDOUS SUBSTANCES FACILITIES — ZONE I

NUS CORPORATION SUPERFUND DIVISION

02-9011-20-SI REV. NO. 0

# FINAL DRAFT SITE INSPECTION REPORT FLOWEN OIL DELAWARE VALLEY CORP. CAMDEN, CAMDEN COUNTY, NEW JERSEY VOLUME 3 OF 3

#### **PREPARED UNDER**

TECHNICAL DIRECTIVE DOCUMENT NO. 02-9011-20 CONTRACT NO. 68-01-7346

**FOR THE** 

ENVIRONMENTAL SERVICES DIVISION
U.S. ENVIRONMENTAL PROTECTION AGENCY

**JUNE 28, 1991** 

NUS CORPORATION SUPERFUND DIVISION





#### State of New Jersey

#### **DEPARTMENT OF ENVIRONMENTAL PROTECTION**

DIVISION OF WASTE MANAGEMENT 32 E. Hanover St., CN 027, Trenton, N.J. 08625

JACK STANTON DIRECTOR LINO F. PEREIRA

April 19, 1983

Mr. James Caccese Production Manager Flowen Oil Delaware Valley, Inc. 1800 Carman Street Camden, New Jersey 08105

RE: Request by Flowen Oil Delaware Valley, Inc., Facility No. 0408B, to accept additional waste types at the Camden facility

Dear Mr. Caccese:

Please find enclosed a Modification of Approval Condition 2 of the Amendment to Engineering Design Approval for the above referenced facility.

This Modification of Approval Condition 2 is intended to allow Flowen Oil Delaware Valley, Inc. to accept waste types X722, X724, X725, and X727 only in accordance with the conditions specified in the enclosed document.

The Department of Environmental Protection reserves the right to impose additional conditions should it deem them to be necessary.

Very truly yours,

Edward J. Londres Assistant Director

Engineering

EJL: jb

Enclosure

### MODIFICATION OF APPROVAL CONDITION 2 OF THE AMENDMENT TO ENGINEERING DESIGN APPROVAL

Under provisions of N.J.S.A. 13:1E-1 et seq. known as the Solid Waste Management Act, Engineering Design approval is hereby issued to:

## FLOWEN OIL DELAWARE VALLEY, INC. CARMAN STREET CAMDEN, NEW JERSEY 08105

Waste Oil Recycling Plant
1
1431
Camden
Camden
0408B

This approval is subject to compliance with all conditions specified herein and all regulations promulgated by the Department of Environmental Protection.

This approval shall not prejudice any claim the State may have to Riparian Land, nor does it permit the registrant to fill or alter, or allow to be filled or altered, in any way, lands that are deemed to be Riparian, Wetlands, Stream Encroachment or Flood Plains, or within the Coastal Area Facility Review Act—(CAFRA) Zone without first acquiring the necessary grants, permits or approvals from the Department of Environmental Protection.

Edward J. Londres Assistant Director

jb

Date: April 19, 1983



The Amendment to Engineering Design Approval issued to Flowen Oil Delaware Valley, Inc. on January 18, 1983 is hereby revised to allow for the acceptance by Flowen Oil of certain additional waste types.

This revision to the Amended Certificate of Approved Registration and Engineering Design Approval is granted in response to the written request for approval to accept additional waste types by Mr. James Caccese dated March 9, 1983. This revision is granted to allow Flowen Oil to accept certain additional waste types and shall be included as a Modified Condition 2 of the January 18, 1983 Amendment.

Condition 2 shall hence be modified and implemented as follows:

Waste types identified by NJDEP hazardous waste numbers, which Flowen Oil shall be permitted to accept are:

- X721 Waste automotive crankcase and lubricating oils from automotive service and gasoline stations, truck terminals and garages.
- X722 Waste oil and bottom sludge generated from tank cleanouts from residential/commercial fuel oil tanks.
- X724 Waste petroleum oil generated when tank trucks are cleaned.
- X726 The following used and unused waste oils: metal working oils; turbine lubricating oils; diesel lubricating oils; and quenching oils.

Flower Oil shall be conditionally permitted to accept waste types, X725 and X727 as follows:

X725 Oil spill cleanup residue which: a) is contaminated beyond saturation, or; b) the generator fails to demonstrate that the spilled material was not one of the listed hazardous waste oils. Acceptance of waste type X725 is conditional in that the waste shipment must be free-flowing and must be pumped into tanks 1-12 and/or tanks A or B upon arriving at the facility.

Under no circumstance shall contaminated soil, manifested under the waste type X725, be accepted by the facility.

X727 Waste oils from the draining, cleaning or disposal of electric transformers. Acceptance of waste type X727 is conditional in that the PCB content shall be determined for each waste shipment arriving at the facility and the shipment shall be accepted only if the PCB content is less than 50 ppm or less than any future concentration limit set by the Department or Federal agencies.

The NJDEP hazardous waste number for bottom sludge generated from the processing and treatment of waste oil is X728.

Any waste oils containing PCB's (Polychlorinated Biphenyls) at a concentration greater than 50 ppm or greater than any future concentration limit set by the Department or Federal agencies, or; that has a flashpoint below 140°F, or; that is reactive or incompatible with the permitted waste types shall not be accepted by Flowen Oil. A waste oil shipment containing PCB's at a concentration greater than 50 ppm or greater than any future concentration limit set by the Department or Federal agencies, or; that has a flashpoint below 140°F shall be handled in accordance with N.J.A.C. 7:26-9.4(c).



## State of New Jersey DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WASTE MANAGEMENT 32 E. Hanover St., CN 028, Trenton, N.J. 08625

DR. MARWAN M. SADAT, P.E. DIRECTOR

LINO F. PEREIRA. P.E. DEPUTY DIRECTOR

2 1 MAR 1985

Archie Bilsland, General Manager Flowen Oil Delaware Valley Inc. 1800 Carman Street Camden, New Jersey 08105

Re: Request for Addition of Waste Exxon Isopar as a New Waste Which Flowen Oil Delaware Valley Inc. May Accept at its Camden Facility

Dear Mr. Bilsland:

This letter is in response to the request you submitted to the Department on December 17, 1984 for authorization to accept for processing waste insoparaffin at the referenced facility from Philip A. Hunt Chemical Corporation, Palisades Park, New Jersey. This waste consists of liquid waste isoparaffinic hydrocarbons which in their pure state carried the name Isopar - brand name of a line of synthetically produced isoparaffinic solvents manufactured by Exxon Company, U.S.A. Isopars are designated as EPA Waste Code No. D001 because of their characteristic of ignitability.

The Bureau of Hazardous Waste Engineering has considered your request. After examination of the characteristics of Isopar solvent, the Bureau has determined that this material is amenable to the waste oil recycling processes carried out at your facility, and is compatible with the types of waste oils you are presently authorized to accept.

Nevertheless, before your facility can begin to accept Exxon Isopars you must submit and obtain approval on the following:

- 1. Amend your Waste Analysis Plan so as to include procedures by which you can identify D001 waste that derives from (Exxon) Isopars; and preclude acceptance at the facility of D001 waste of any other type.
- 2. Provide a copy of the amended Waste Analysis Plan to the Department for review and approval.
- 3. Submit a revised Part A permit application to include the new hazardous waste not previously identified in this document.

Acknowledgement of receipt and acceptance of the revised Part A and amended Waste Analysis Plan by the Department must transpire prior to acceptance of

3	E	E	Α					atic			Veen		n N	204 QU:	4.0				cti	vit	У.,.	Fili this	<i>ng No</i> s torn re⇔is	<i>ptifica</i> n. The recu	<i>ation</i> : a info wired	before the by the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of	ion re laws	gues Sac	ting tec- tic
For	Off	icia	l Us	e O	nly	4																							
С			. Facility	1044	užiski,	<b>5.2</b>	1	in each				35		Com	men	1823	1850	1. Sec.	والمائة أأناف	1000		<u>)                                    </u>	State Co.	13 <u>.</u>		23.25	3.0		3.3
C																												Ĺ	
	466	3.35					7 Se C	A ID		De de		000			165	-7.6								3	1977	774			4
C			2485 ¥	6 25 6 F	nstall	ation	/SEP	AID	Num	Der :	<u>« «</u>	A 744		C	_	ppro	ved	-	yr.	~~	70		ay)	చక్క		1			
F														**				į						FC		1			-
. N	am	<u>e of</u>	ins	talk	tior	1.40												1			1								
F	L	0	W	E	N		0	I	L		ם	E	L	Α	W	A	R	E		V	A	L	L	E	Y		I	N	С
							dre		i - (a- (c)																				
<u>.</u> ا	1	- i - i					7							et ő	A SEC	Box	1		26					2.75			3,1%		1,5
3.	1	8	0	0		С	Α	R	M	A	N		S	Т	R	E	E	Т										<u> </u>	
_	1.			2. A	\$2.785		1		2	Cu	y of .	own	ر م	-	1			7		4	1		.≠S	tate.			20		、 <b>凝</b> 容
C 4	С	A	М	þ	E	N								'									N	J	C	8	1	0	5
					tall										البا														12. 15.
٦	er si <b>g</b> i						<b>37.2</b>							67 11		Num	ber						7		0.25				
5	1	8	0	0		С	A	R	M	A	N		s	Т	R	E	E	Т											
<u> </u>	4.4	in O	ولايت	19.4	1914	Cair D	17.4	¥	100	E CH	y or 1	Town		1:		er 3 €	***		*ं <b>हैं</b> हुई	***	r e	444	S	tate		N+7	PO	pde_	12.5 <b>1</b> /5.
C	С	A	м	Ь	E	N																	N	J	0	80	1	0	5
v.	ins	talla	tior		nta																							mantage .	1
• • •	م م	1		430		Ne	Me a	nd Tit	ie (la	st, fii	<b>St. 8</b>	nd jol	b elith	y. 🚉	<b>100</b>				177	1	Plac	ne N	umb T	er far	88 CO	de al T		and o	/
2	R	0	s	s		A	R	c	Н	I	E		M	Α	N	A	G	E	R	6	0	9	3	6	5	5	5	4	4
٧. ا	Ow		hip												0.00	1 1 to (											. O 7.4 00		
C		1	₹.2.380 	200	Sec. Sec.	160 A 254	A	Name	s of the	nstall	ation	's Le	gal C	hime		2334	egr.	T		-	eres		ELY	e of			i Gu	W/Le	<u>) (9</u>
R	F	<u>!</u>	_			N		0		L	<del></del>	D	٠	L	<u> </u>	V	A	L	<u> </u>	I	N	<u>c</u>			<u>P.</u>				
VI.								Act																	ios				- 33C-1
_			erato					] 1b.					3117.35										a company to		25-25	્રા હોલ	AT LEADING	60° T	1.34.1
			porte							99. E.		* 35					ente	r 'X' i	نجي ۾ءَ ۽	4944			1		elow)	100			
. [2		7.72		west .	/Disp														100	25.	**	ting	o Bu	rner					
Ē	5.1	Mark	et or	Burn	njecti Haz	ardo	W	aste l	Fuel								2	b. Ot		Mar Ki	r the		#					1	
		ente		10.5	12 T. 17.	وروز المناور	Elvin ind	<i>te bo</i> to Bu	27.4.6	elow)				Disc.	T		- T	100		sed (	DII Fi	超点 iel M	arkel	er (o	r On	site E	羅		47.6
•	1.2	ā		AT. 1	Marke	*****	Secretary.				110			134		h de	Who	First	Clair	ns th	e Oil	Mee	te th	Spe	cific	tion.			
				rner				o CE			ercite Sect			957 P	130	555 P.		SPERIOR.	uptivis into t	e e e e e e e e e e e e e e e e e e e		STIP.			SVE S	etine	den		in "
Wh.	. W ch h	aste azan	lous:	er Bi west	umi <i>e fue</i>	ng: loro	ήγ-sp ι yp	e of	:atjor	1112US 1 USO	suOl d oil f	uel i	s bur	ned.	ter X See i	instru	uction	ns for	ate D defii	uxes nition	so inc s of c	ncati comb	ustio	n de	vices	J.			
							Boile		7 7-	, ge e e mandana	. :		B. Inc	dustri	ial Bo	oiler				_		_	strial	Furn	ace	yr-0		es deser	7
VII	1. N	lod	e of	Tra	nsp	orta	tion	(tra	nsp	<u>ortei</u>	rs oi	า <i>l</i> y -	<u>— er</u>	<u>nter</u>	<u>'X' i</u>	in th	ne ap	opro	oria	e bo	x(e:	s <i>)</i>	Marin.		1550	e Westêr	#13E	S214	Jul 705
	<b>A</b> .	Аіг		В. Я	lail	Ň	C. Hi	ighwa	39		). Wa	iter		E. 0	ther	(spec	ify)		1. 		10 10 10 10 10 10 10 10 10 10 10 10 10 1		AND TO					·	構造
IX. First or Subsequent Notification																													
Mark 'X' in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your installation's EPA ID Number in the space provided below.																													
				_		. 5	niet.	*		alikur Militar					10 mg										'A ID	Num	ber		7
	] <b>A</b> .	First	Noti	ficati	on		B. Sı	ubseq	luent	Notif	licatio	on (co	ompl	ete it	em C	<b>J</b>		NT.	J	D	9	8	0	5	3	6	5	7	7
<u> </u>												osole	·					N	įυ	עו	١J	į O	ļŪ	, ,		_		on r	everi

		¥	
		Acceptance of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Con	Constitution of
x 7 2 1	7 2 3 X	7 2 4 X 7 2	5 X 72 6
X 7 2 7 X 7 2 8 L D	0 0 1		
Infectious Master Freet, the four, digit number			om hospitals versionly hos-
Busico, medical morametric laboratories your install			
Characteristics of Nonlisted Hazardous Wastes. Mark Dur. installation handles. (See 40 CFR Parts 261, 21			
Actification  City under penalty of law that they are not			
and all attached documents, and the resident of the information. I believe that the spirit are significant penalties for submitting	ក្រុម ប្រជាជា ភូមិនទៅក្រុម រ៉ាន់ប្រែក	A service and violated in a On a second and consider and consideration of the possibility of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of the consideration of	mediately responsible for complete l'ain aware that
Signature Mors	Name and Official Title A. MNDLEW	e (type or print) Ross / Viet Pees I Dei	Date Signed 9/26/86.

EPA Form 8700-12 (Rev. 11-85) Reverse

#### WAP-3 WASTE CHARACTERISTICS

The waste types capable of being processed at the facility are covered by the New Jersey Department of Environmental Protection's categories as listed below. It should be noted that the facility permit does not allow any other type of material to be treated at the facility. Other materials must be subjected to a qualification procedure by both company management and NJDEP prior to its acceptance by the facility.

ere?	<del>-</del>	
N.J Hazardous Waste Number	The waste categories are as follws:	Hazard Code
	Hazardous Waste	code
~ X721	Waste automotive crankcase and lubricating oils from automotive service and gasoline stations, truck terminals, and garages.	(T)
X722	Waste oil and bottom sludge generated from tank cleanouts from residential/commercial fuel oil tanks.	(T)
_ X723	Waste oils and bottom sludge generated by gasoline stations when gasoline and oil tanks are tested, cleaned, or replaced.	(T)
NOTE:	Oil in this category must meet the criteria of flashpoint in that the flashpoint must $100^{\circ}$ F or greater as determined by the method in Attachment 3.	
X724	Waste petroleum oil generated when tank trucks are cleaned.	(T)
x725	Oil spill cleanup residue which: A. is contaminated beyound saturation; or, B. The generator fails to demonstrate that the spilled material was not one of the listed hazardous waste oils.	(T)
	Under no circumstance shall contaminated soil, manifested under the waste type X725, be accepted at the facility.	
X726	The following used and unused waste oils; metal worki oils; turbine lubricating oils; diesel lubricating oi and quenching oils.	ng(T) ls;



N.J. Hazardous Waste Number

#### Hazardous Waste

Hazard Code

X727

Waste oils from the draining, cleaning or disposal (T) of electric transformers.

Acceptance of waste type X727 is conditional in that the PCB content shall be determined for each waste shipment arriving at the facility and the shipment shall be accepted only if the PCB content is less than 50 ppm or less than any future concentration limit set by the Department or Federal agencies.

x728

Bottom sludge generated from the processing, blending(T) and treatment of waste oil in waste oil processing facilities.

NOTE:

Only sludges which are pumpable and meet the other criteria as listed in Attachment 4 will be accepted for treatment at the facility.

D001

Waste isoparaffinic washing solvents from Philip A Hunt Chemical Corp., Palisades Park, New Jersey 07650 only. This material shall have a flashpoint of greater than  $100^{\circ}$  and as determined by the procedure detailed in attachment 3.

MARKET.



## TREATMENT CORPORATION

51 BRODERICK ROAD BRISTOL, CONN. 06010 TEL. 203-583-8917

January 22, 1987

Department of Environmental Protection Hazardous Waste Management Section 122 Washington Street Hartford, CT 06106

ATTN: Barry Giroux

Dear Mr. Giroux:

This letter is being written as notification that PCB's were detected in concentrations greater than 50 ppm in material accepted for disposal at this facility. This notification fulfills CTC's reporting requirements as stated in permit CT - HW - 95, appendix "C".

On December 22, 1986, 2255 gallons of material comprised of oil, dioctyl pthalate water, and cleaner was shipped from Jard Company, Inc., of Bennington, VT to CECOS Treatment Corporation on manifest CTB0066657. The material was off loaded into Tank 27, on December 22, 1986. This waste stream had been represented on their waste characterization form as containing no PCB's.

Four thousand, eight hundred and ninety-five more gallons of the same material was also shipped on December 22, 1986 on manifest VT0016621. This was accepted at CTC on December 23, 1986, and was off loaded into tank 27.

CECOS Treatment is unable to analyze this waste stream for PCB's since the dioctyl pthalate mimics arochlor 1242 on an electron capture gas chromatograph. CTC's laboratory is equipped with an electron capture GC. On December 23, a composite was made from retain samples of the Jard loads of December 22 and 23, and was sent to an outside laboratory for PCB analysis via a mass spectrometer.

The results were reported to CTC as 7.5 ppm arochlor 1232, on January 5, 1987. On the same day CTC shipped 5500 gallons from Tank 27 to Flowen Oil, Camden, New Jersey, on manifest number NJA0131004. Flowen is permitted to accept PCB's (50 ppm.

On January 6, 1987, CTC prepared to ship Flowen another load comprised of Tank 27, and some drummed material. Final Q.C. revealed that the top layer of the material loaded on Nappi's tanker had a lower flash point than acceptable at Flowen. Therefore, the bottom, aqueous, non flammable layer was pumped back to Tank 27. The top, flammable portion was remanifested to Norlite number NYA3258540, in Cohoues, New York, and was dispatched to that facility. On the morning of January 7, 1987, 5450 gallons from Tank 27 was sent to Flowen Oil on manifest number NJA0131057.



Norlite contacted CTC late in the afternoon of January 7, 1987 that the shipment they received on manifest NYA3258540 appeared to contain PCB's. A sample from the load was expressed overnight from Norlite to the same lab in Connecticut, that provided the analysis yeilding 7.5 ppm arochlor 1232.

The result of this analysis was reported as 144 ppm arochlor 1232. The presence of PCB's in this load was confirmed by two other laboratories. One lab reports 2140 ppm, the other reports 2040.0 ppm.

Data has been accumulated, and the original source of contamination appears to be the material shipped to CTC from the Jard Company. The same sample one lab reported as containing 7.5 ppm PCB's was analyzed by another lab, and was found to contain approximately 3,700.0 ppm PCB's. No other waste streams involved in the shipments to either Norlite or Flowen on January 5 or 7 were found to contain any PCB's. Jard Company has been notified.

Analysis and confirmatory work is still being performed, but there is enough data to support the conclusions that one tank containing 15,000 gallons, and one tank containing 6,000 gallons at Flowen Oil are contaminated; Tank 27 containing 5,390 gallons at CTC; and the tanker rejected from Norlite are all contaminated with PCB's. The tanker is now being held at CTC.

CTC has already initiated proceedings which will allow the PCB contaminated material to be incinerated at Ensco in Arkansas. This approval process generally takes 3 to 4 weeks.

We will keep yourdepartment apprised of any new developments as they arise from this situation.

If you have any questions after reviewing this report, please feel free to contact me at (203) 583-8917.

Sincerely,

CECOS Treatment Corporation

Denise Borys

Technical Manager

DAB/jln

attachments

Funtana-d



## State of New Jersey DEPARTMENT OF ENVIRONMENTAL PROTECTION

**DIVISION OF HAZARDOUS WASTE MANAGEMENT** 

John J. Trela, Ph.D., Acting Director 401 East State St. CN 028 Trenton, N.J. 08625 609 - 633 - 1408

Mr. Archie Ross, Vice President Flowen Oil Delaware Valley, Inc. 1800 Carman Street Camden, New Jersey 08105

- 3 FEB 1987

THIS AUTHORIZATION SHALL EXPIRE ON 12/31/87

Dear Mr. Ross:

Re: Authorization to accept Hazardous Waste Types for Flowen Oil Delaware Valley, Inc., Camden Facility, EPA ID No. 980 536 577

As of this date, Flowen Oil Delaware Valley, Inc. is authorized to accept hazardous waste types identified by New Jersey Hazardous Waste Numbers X721, X722, X723, X724, X725, X726, X727, X728, and D001 (only from Olin Hunt Specialty Products, Inc). This authority is conditioned on Flowen Oil meeting all the requirements set forth in an Administrative Consent Order (ACO) signed with the NJDEP on November 18, 1986.

The ACO authorizes the facility to receive and process hazardous wastes while Flowen Oil's Part B application for a treatment, storage, and disposal facility permit is under review by the NJDEP.

This authorization shall be null and void upon denial or issuance of a finally effective hazardous waste facilities permit.

Very truly yours,

Ernest Kuhlwein Jr., Acting Chief

Bureau of Hazardous Waste Engineering

EP63/vb c: Mark McQuerry, ORS

C. Installation's EPA ID Number

N J

9 | 8

notification. If this is not your first notification, enter your installation's EPA ID Number in the space provided below.

B. Subsequent Notification (complete item C)

A. First Notification

															5							<b>30</b>		065	Oit				
										• • •	- N.	ð.".		:	~ · ·	a 4, 1,												1	
X	De	SCII TOTAL	To a constant	E.C.	111	2000	Otte	Wa	ste	(co	ntir	Ueq.	tro	m li		TO .													
1	ion								lon h	end and				Ťr	6.23		-										730,00 100,000		i de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de l
n .	8	***	1					*	47		934	4												200					
	X	7	2	1		x	7	2	2.		x	7	2	3		x	7	2	1		T.	7	2	5		v	7	2	6
	, ,		Z.				100		8	100			2		4.4				-		A		2				/	2	
77.14	V.	7	2	7		Ų.	7	2	٥	*		0		,										odiaci i	4		V 2.		
B	103	7		3000	- 1						D		-	1	Ē			) (************************************	19.4			1000000	11.00			E. A.			
				2					21				434. 434.	est.		The second					ا الخاطندار و المعارف	in the second				di.	ei.		
		and a second	28	3-7-42		ì	:					ika 👵							10.00							335		4	AR
	K	0	4	8	<b>3</b>	K	0	4	9		K	0	5	0		K	0	5	1									PER STATE	
	10.0	£ 2			7 kg	.0.0					-37 <u>-3</u>		1,60				W 16			2									
		1 60	THE COLUMN	Ranks		/25e	100 %		W 27 4		. est 24	i and	er a Kas	e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de la companya de l	ēž.	****					·								
	2		TO A				1	4	200			13.62				T.		- 18	2.5					72			ESTA SI		
, J.		41. E. S.		W. 244		2.0	880-6C:	180-164	- 40 J. S.	7.3	(1 t) E	VIII F.A	The section of		6														
			3								3															Tr.		***	and the same
*			1		. 6.7.4						A				ع زار فارون				3	7		1				7		12.00 3.00 4.00 4.00 4.00	
										4																		$\neg$	
			73		(3)				7.						1790												ji	19.7	
																	.											$\neg$	
		-	9/ /	N.		500	7		Į.			d b				e e							7.7						
¥.,										3				٠.											***				1
D. [	istec	i Infe	ctiou	w W	ester	Ent	er th	e fou	r-dig	it nu	mbe	fron	n 40	CFR.		261	24 fo	r 980	h ha	zardo	N SUC	raste	from	hosp	itals	, véti	W I D	ry ho	<u> </u>
	Sales 1	5104	9801.	0 (0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	i e	earci		1000	ies y	out		18110	400			1000		el sh	ets.	ne	0888	ty.	1			1			
				. 13					123			1			製			3		2		12.2	3.			- 1			
 E. (	here	Cteris	tics	of N	onlis	ted I	300	don	Wa	ŝ(z	Mor	- 70	9				<b>36</b>	\$ C	USA TO		*			_[				<b>1</b>	gs .
<b>.</b> Y	our ir	1010111		TOTAL		(See	40 C	FR P	erts .	261.	21 —	261	24)				PORT	and (	o une	Cha	ACIE	ristic	s or n	onus	ted i		cous	west	<b>83</b>
		N.	1. k 3	inita 2001	ble L	-1					L Co	TOSN 1021						<b>□</b> 3	Rea							٦4	Too	4.2	
XI.	Cer	tific	atio	N	1.02										- Carrie	J-74-7-42					,,,,	POR C	amer , s g	Meridia	al. rati			PERMIT	ALL SEA
	l čei this	tify and	unde all s	er p etta	ena che	fy)o	f la\	v th	êt / /	nave d t	pe hot	rsoi	ially	exa	mii	ied .	and	am	fam	iliar	wit	h th	e inf	orm	atio	กรีเ	ibm	ittec	liĥ
•	obta	inin	athi	a in	fokur	Line	m I	alic	op. Wi	,	ab-	2036	U		,,,,,,,	yuır	y 01	uio:	se //	HOIV	IOU8	is in	nme	araz	ely	resp	ons	IDIE	tor
	natur		. sıy	<u>/\</u>	<i>  </i>	Y		35 TQ	r su	om	ttin	y ığı	36 1	HUI	114	uuri,	INC	uan	ng u	18 p	ossi	bility	off	ne a	ana	ımp	riso.	nne nme	nt.
_			1	₩	1				_		-					al Tit										igne			
	For			₩	V	<u>/</u>	_	_				Ar	chi	e A	١.	Ros	s/V	ice	Pr	esi	den	t		8	/12	2/87	7		

编》

WAP-3

#### WASTE CHARACTERISTICS

The waste types capable of being processed at the facility are covered by the New Jersey Department of Environmental Protection's categories al listed below. It should be noted that the facility permit does not allow any other type of material to be treated at the facility. Other materials must be subjected to an qualification procedure by both company management and NJ DEP prior to its acceptance by the facility.

NJ Hazardous Waste Number The waste categories are as follows:

Hazard Code

#### Hazardous Waste

X721

Waste automotive crankcase and lubricating oils from automotive service and gasoline stations,

(T)

truck terminals, and garages.

X722

Waste oil and bottom sludge generated from tank cleanouts from residential/commerical fuel oil tanks.

(T)

X732

Waste oils and bottom sludge generated by gasoline stations when gasoline and oil tanks are tested, cleaned, or replaced.

(T)

NOTE:

Oil in this category must meet the criteria of flashpoint in that the flashpoint must be 100°F or greater as determined by the method in Attachment3.

X724

Waste petroleum oil generated when tank trucks are cleaned.

X725

Oil spill cleanup residue which: A. is contaminated beyound saturation; or, B. the generator fails to demonstrate that the spilled. material was not one of the listed hazardous waste oils

(T)

(T)

NJ Hazardous Waste Number Hazard Code

#### Hazardous Waste

X726

The following used and unssed waste oils; metal working oils; turbine lubricating oils; diesel lubricating oils; and quenching oils.

(T)

X727

Waste oils from the draining, cleaning or disposal of electric transformers.

(T)

Acceptance of waste type X727 is conditional in that the PCB content shall be determined for each waste shipment arriving at the facility and the shipment shall be accepted only if the PCB content is less than 50 ppm or less than any future concentration limit set by the Department of Federal agencies.

X728

Bottom sludge generated from the processing, blending and treatment of waste oil in waste oil processing facilities. (T)

#Brad

NOTE:

Only sludge which are pumpable and meet the other criteria as listed in attachment 4 will be accepted for treatment at the facility.

D001

Waste isoparaffinic washing solvents from Philip A. Hunt Chemical corp., Palisades Park, New Jersey 07650 only. This material shall have a flashpoint of greater than 100°F and as determined by the procedure detailed in Attachment 3.

#### HAZARDOUS WASTE FROM SPECIFIC SOURCES

EPA HAZARI WASTE NO.	DOUS	HAZARD CODE
K0.48	Dissolved Air Flotation (DAF) float from the petroleum refining industry.	(T)
K049	Slop oil emulision solids from the petroleum refining industry.	<b>(T)</b>
к050	Heat exchanger bundle cleaning sludge from the petroleum refining industry.	(T)
к051	API separator sludge from the petroleum refining industry.	(T)



#### State of New Jersey

#### DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF HAZARDOUS WASTE MANAGEMENT

Michele M. Putnam

Deputy Director

Hazardous Waste Operations

John J. Treestor

401 8

John J. Trela, Ph.D., Director 401 East State St. CN 028 Trenton, N.J. 08625 (609)633-1408 Lance R. Miller Deputy Director

Responsible Party Remedial Action

MAY 1 2 1988

Mr. Archie Ross, Vice President Flowen Oil Delaware Valley, Inc. 1800 Carman Street Camden, New Jersey 08105

THIS AUTHORIZATION SHALL EXPIRE ON 12/31/88

Dear Mr. Ross:

RE:

AUTHORIZATION TO ACCEPT HAZARDOUS WASTE TYPES FOR FLOWEN OIL DELAWARE VALLEY, INC., CAMDEN FACILITY, EPA ID No. 980 536 577

This is to confirm as of this date, Flowen Oil Delaware Valley, Inc. is authorized to accept hazardous waste types identified by New Jersey Hazardous Waste Numbers X721, X722, X723, X724, X725, X726, X727, X728 and DOO1 (only from Olin Hunt Specialty Products, Inc). This authority is conditioned on Flowen Oil meeting all the requirements set forth in Administrative Consent Orders (ACOs) signed with the NJDEP on November 18, 1986 and November 20, 1987.

The ACOs authorize the facility to receive and process hazardous wastes while Flowen Oil's Part B application for a treatment, storage, and disposal facility permit is under review by the NJDEP.

This authorization shall be null and void upon final agency action denying or approving issuance of a finally effective hazardous waste facility permit.

Very truly yours,

Emit & Muldevery

Ernest J. Kuhlwein, Jr., Chief Bureau of Hazardous Waste Engineering

EP63/1r

CE: Tom Dowazy, SFO DOCUMENT: FLOWEN FOLDER: LXRMCB

> New Jersey is an Equal Opportunity Employer Recycled Paper







(609)633-1408

CN 028 Trenton, N.J. 08625-0028

### State of New Jersey

#### DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF HAZARDOUS WASTE MANAGEMENT

Michele M. Putnam Deputy Director Hazardous Waste Operations

John J. Trela, Ph.D., Director

Lance R. Miller **Deputy Director** Responsible Party Remedial Action

#### MEMORANDUM

TO:

Ben Wilbur

Bureau of Southern Enforcement

THROUGH: John H. Skoviak, Section Chief

Bureau of Compliance and Technical

FROM:

Michael W. Hruse

Program Oversight and Quality Assurance Section

SUBJECT: Flowen Oil (a.k.a Remtech)

AnalytiKem Test Report # A20220

DATE:

December 13, 1989

#### INTRODUCTION

A quality assurance review was performed by Michael Hruse on the Tier 1 data deliverables submitted to BCTS by AnalytiKEM on November 13, 1989. Six (6) samples (1 trip blank, 1 field blank, 3 non-aqueous, 1 aqueous) were collected October 3, 1989. The following analyses were performed:

- Volatile Organic Analysis (Aqueous-EPA Method 624: trip blank, field blank. Non aqueous-EPA Method 8240: MWH-020. MWH-021)
- Base Neutral/Acid Extractable Analysis (EPA Method 8250: MWH-020, MWH-021)
- Pesticide/PCB Analysis (EPA Method 8080: MWH-020, MWH-021)

RECEIVED

DEC 19 1989

Division of Waste Mgt.



- (4) Total Priority Pollutant Metals (SW-846: MWH-020, MWH-021, MWH-022)
- (5) EP TOX (Heavy Metals) (SW-846: MWH-019)
- (6) Phenol Analysis (EPA Method 420.2: MWH-020, MWH-021)
- (7) Cyanide Analysis (EPA Method 9012: MWH-020, MWH-021)

#### RESULTS OF REVIEW

#### I. GENERAL REQUIREMENTS

The test report is assembled in the proper format with all required data submitted. The Chain of Custody is adequate.

#### II. HOLDING TIMES

The samples were collected October 3, 1989 and delivered to AnalytikEM on the same day. All holding time requirements were met for all analyses except the total cyanide analysis.

The total cyanide analysis for samples MWH-020 and MWH-021 was performed on October 18, 1989. The fourteen day (14) holding time was exceeded by one (1) day.

#### III. VOLATILE ORGANIC ANALYSIS

#### A. GC/MS Tune Performance

There were no problems associated with the mass calibration nor the ion abundance criteria for the BFB tunes.

#### B. GC/MS Initial Calibration

The initial calibration was performed at five (5) concentration levels (20, 50, 100, 150, 200 ppb). The required calculations were completed.

The relative standard deviation for the following compounds was greater than 30 percent: acetone (42%), 2-butanone (40.5%), chloromethane (30.8%), hexanone (35.4%), 2-methyl-2-pentanone (30.8%), tetrachloroethane (31.8%). No action is required since there were no positive results for these compounds.



#### C. GC/MS Continuing Calibration

Performance criteria for the calibration check compounds (CCC) and system performance check compounds (SPCC) were met for the continuing calibration.

#### D. Surrogate Spike Analysis

The required surrogate spike analyzes were performed. The data is acceptable.

#### E. Matrix Spike Analysis

The required matrix spike and matrix spike duplicate (MS/MSD) analyses were performed. The data is acceptable.

#### F. Blanks

Methylene chloride was detected in the field blank (1.8 ppb), trip blank (2.0 ppb), and aqueous method blank (2.4 ppb). This contamination is probably due to a lab problem since this chemical is a common laboratory solvent.

#### G. Sample Results

The results are as follows:

#### MWH-020

1,1-dichloroethene	54,000		
methylene chloride	88,000	ppb	(JB)
1,1,1-trichloroethane	950,000	ppb	
trichloroethene	9700	ppb	(J)
benzene -	11,000	ppb	(J)
tetrachloroethene	28,000	ppb	
toluene	112,000	ppb	
ethylbenzene	31,000	ppb	
xylene (total)	184,000	ppb	

#### MWH-021

methylene chloride 1,1-dichloroethene	3100 48,000	ppb	(JB)
trichloroethene	13,000		
benzene	8200		
tetrachloroethene	51,000	dqq	(7)
1,1,2,2-tetrachloroethane toluene	1500		
ethylbenzene	1500		
xylene (total)	340,000		(0)

The results reported are reliable and may be used for

٠..

its intended purpose. The results for methylene chloride are estimated because of the low levels present in the blanks.

#### H. Overall GC/MS Performance

The instrument's performance on the day of analysis was acceptable. The average response factors (RFs) for the SPCCs were well above 0.05.

#### IV. BASE NEUTRAL/ACID EXTRACTABLE ANALYSIS

#### A. GC/MS Tune Performance

There were no problems associated with the mass calibration nor the ion abundance criteria for the BFB tunes. The data is acceptable.

#### B. GC/MS Initial Calibration

The initial calibration was performed at five (5) concentration levels (20, 50, 80, 120, 160 ppb). The required calculations were completed.

The negative results for benzidine in samples MWH-020 and MWH-021 are rejected since the RFs for these compounds are less than 0.05. The remainder of the data is acceptable.

#### C. GC/MS Continuing Calibration

The required calibration check was performed. The RF for benzidine is less than 0.05. The negative results have been rejected in samples MWH-020 and MWH-021. The remainder of the data is acceptable.

#### D. Surrogate Spike Analysis

The required surrogate spike analysis was performed. The data is acceptable.

#### E. Matrix Spike Analysis

The required matrix spike analyses were performed. The percent recovery for 4-chloro-3-methlphenol (115%) is not within quality control limits (26-103%). The results for this compound(MWH-020, MWH-021) should be considered an estimate of the true value.

#### F. Blanks

There were no target compounds detected in any of the blanks.

#### G. Sample Results

The results are as follows:

#### MWH-020

naphthalene	690,000	ppb	
4-chloro-3-methylphenol	180,000	ppb	(J)
n-nitrosodiphenylamine	380,000		
phenanthrene	230,000	ppb	
trimethyl benzenelsomer	1,500,000	ppb	
unknown hydrocarbon	30,730,000	ppb	
unknown	11,120,000	ppb	

#### MWH-021

naphthalene	670,000	ppb	
4-chloro-3-methylphenol	200,000	ppb	(J)
phenanthrene	250,000		
pyrene	42,000	ppb	
chrysene	4000	ppb	
bis(2-ethylhexyl) phthalate	190,000	ppb	
di-n-octyl-phthalate	140,000	ppb	
unknown hydrocarbon	33,180,000		
unknown	3,000,000	ppb	

#### H. Overall GC/MS Performance

The instrument's overall performance on the day of analysis was good. The average RFs for the SPCCs were well above 0.05.

#### V. PESTICIDE/PCB ANALYSIS

#### A. Initial Calibration

There were no problems associated with the initial calibration. The data is acceptable.

#### B. Continuing Calibration

There were no problems associated with the continuing calibration. The data is acceptable.

#### C. Surrogate Spike Analysis

The required surrogate spike analysis was performed. All recoveries are within quality control limits (24-154%).

#### D. Matrix Spike Analysis

The required matrix spike and matrix spike duplicate analyses were performed. There were poor recoveries



due to matrix interference. The lab performed a blank spike analysis to show that this was not a laboratory problem. All recoveries are within quality control limits.

#### E. Blank Analysis

No target nor non target compounds were detected in the method blank.

#### F. Sample Results

Aldrin was detected at a concentration of 500 ppb in sample MWH-020.

#### G. Overall GC Performance

The instrument's performance on the day of analysis was good. The retention time shift for DBC was less than two (2) percent

#### VI. METAL ANALYSIS

The EP Tox protocol was performed on sample MWH-019. Total priority pollutant metals were determined for MWH-020, MWH-021, MWH-022.

#### A. Initial and Continuing Calibration

There were no problems noted with the initial or continuing calibration. All data is within quality control limits.

#### B. Method Blank

There were no target compounds detected above the method detection limit (MDL) in the method blank.... The data is acceptable.

#### C. Duplicate Sample Analysis

The required duplicate analysis was performed; the data is within quality control limits.

#### D. Matrix Spike Analysis

The required matrix spike analysis was performed. The reported data is within quality control limits (75-125%).

#### E. ICP Interference Check Sample Analysis

AnalytikEM performed the ICP check sample analysis with the appropriate check sample obtained from Inorganic Ventures, Inc. The results of the analysis fell within the quality control limits of +/-20% of the true value 5 = estimeted of the analytes present in the interference check sample.

#### F. Sample Results

The following chart summarizes the metals' results. The concentrations are in parts per hillion (pph)

The concent	rations are	מנ	parts per billion (ppb).	
MWH-0	19		sludge	
barium	440	(J)	Shires	
MWH-0	20		uple ash )	- م
arsenic cadmium chromium copper lead mercury zinc	10,000 6300 120,000 350,000 940,000 190 1,000,000	(J)	out sample puth )  from \$10  EP TOL	>5 >1 >5 >5
<b>MW</b> H-0	21		a la processor	
arsenic cadmium chromium copper lead mercury nickel selenium zinc	10,000 8200 51,000 130,000 250,000 ,310 47,000 370 460,000	(J)	4.726 purepold	> 5 > 5 > 5 > 60 > .2
MWH-0	22		. wel	
-arsenic barium chromium iron lead manganese	33 480 170 190,000 130 4200		water our direct	

#### PHENOL AND CYANIDE ANALYSIS VII.

mercury

nickel

zinc

0 -27 -

410

3900

The laboratory performed a DI water spike for the phenol analysis because of insufficient sample volume. There was a small explosion during sample preparation for the phenol analysis.

The data submitted for these samples are reliable based on the information submitted by the lab.

#### CONCLUSIONS

#### I. GENERAL REQUIREMENTS

The test report is assembled in the proper format with all required data submitted. The Chain of Custody is adequate.

#### II. HOLDING TIMES

The holding time for the total cyanide analysis (MWH-020 and MWH-021) was exceeded by one day. The remainder of the holding times have been met.

#### III. VOLATILE ORGANIC ANALYSIS

The results for methylene chloride in samples MWH-020 and MWH-021 have been qualified. The remainder of the data is acceptable and may be used for its intended purpose.

#### IV. BASE NEUTRAL/ACID EXTRACTABLE ANALYSIS

The negative results for benzidine in samples MWH-020 and MWH-021 have been rejected since the RFs for this compound is less than 0.05. The remainder of the data is acceptable and may be used for its intended purpose.

#### V. PESTICIDE/PCB ANALYSIS

The data is reliable and may be used for its intended purpose.

#### VI. METAL ANALYSIS

The data is reliable and may be used for its intended purpose.

#### VII. PHENOL AND CYANIDE ANALYSIS

The results for the cyanide analysis have been qualified since the holding time was exceeded. The data for the phenol analysis is reliable and may be used for its intended purpose.

#### VIII. INVOICE PAYMENT

I recommend that 20 percent of the invoice payment for the total cyanide analysis (\$16.00) be withheld in accordance with section 5.29.3.2c of the Laboratory Services Contract, X-195. I recommend full payment of the 80

Flowen Oil Data Review Page 9

percent invoice amount.

MWH

c. QA Staff Case File Incoming Haste: Sampling Episode with BCTS

Date: 10/3/89

Heathers Part San Wind Direction: SW Wind Speed: 5-10 mph

Temp. 63° F

arrived +	n site 093	for BLT3 { 2	nihe Hrush Barn Shir	······································
Material-		Waste Description	Date	Comments
incoming	Tank #10 15000gel Weste Strengt Tank	unprocessed waste oil/water/sludge	10/3/89 1005 to	Howen Data ~ 60-70% orl ~ 10% water ~ 20% solido study el = 5112 fpm on orl Sample # MWH 020 analyze for Pl and RB
Peressed worth pludge	on pard on pard material "Solid'/hym	"Soled/legued" sludg from soled bowl Centrefuge X-728	Drum dated 9/28/A Sompled 10/3	x.728 procese Sludge BETS Sample & MWH EV9 auslyze for metals
Process weste oil	Touk P-3 1 25000 gad	Processed wrote oil after desludging, X-726 waste oil	10/3/59 Sumples 10 v 1215	x-726 processed waste on BCTS Somple # DWHC: analyse for PP and I ~ 20'90 ord } (Cl = MR ~ 10'10 mulsin } Thought
water auschauge to CCMA	ultra felter sump discharge	processed waste was after deschaging, de orling, water being dischar direct to CCMA	Beurples	Sampled discharge wat BCTS sample & MIVHOR analyze for metals.
		1 1 1 1 1 1	         	1 1 1 1 1
Comments:	* mus	Hrysl BCTS Coo	educator of	on this Samplene

<del>-</del>	SANSACT CODE S	ION BATC	H MUMBER		YEW!	STATE		FISCAL TRA	C+ DA	<del></del>	000	UNEN	NUMBER	PE:E
	<u> </u>	0 , ,			•	OF NEW JER		<u></u>	venoor	8 9 5'A'US		W VEN	DOR	_
9 ACCOUNT		NCY P	URC	HA	SE (	DRDER/	INV(	DICE	L		2 + AC 3 + LC 4 - NE	DAESS CATION W VEN	CHANGE CODE DOR AND L NO CORRECT	
DAGANIZATI	ON FUND	PROGRAM	OBJECT	COST CENTER	PROJECT	ENTENDED	40	10*AL	AMOUN"		AGENCY PO NE	MOER	1151 ORUGA	izičel eli stabi iski
1910	203	2300/0	36	MPC	GDC			\$ 7,	,245.	00	20123	2	A 31	1416
		VENDOR N	AME AND	ADDRES	S		CONTACT F	OR INFORMATION INAM	IE AND PHO	NE NU I	•			
-	REET CITY STA				1.	1/		MICHAEL	HRUS	EΕ	(609)	633	3-070	8
28 SI	YTIKEM PRINGDA RY HIL		003	•سر		rofer		PURCHASE OR SPECIAL	PROCUPEM	IENT INDICA	TE DATE QUOTA	TION R	CEIVED	
NJ DI 許V (	EPT OF OF HAZZ 28 - 40 ION NJ	ME AND ADDRESS ENVIRON ARDOUS W 01 E STA 08625 GEMENT S	ASTE ATE S	MGMT T	•		NJ I DIV CN	028 - 401 NTON NJ (	RDOUS LES 08625	WAS	TE MGM	T		ON .
(18)				,	VENDOR 11440	ICE NUMBER		(19)	VENDOR	(20)	TION NUMBER	T	co	NTRACT NUL
794	27							2000	2221	19084	0 0	<u>id</u>	Α	820
SEPARATE	E STATE INVOICE	YOU MUST USE THE DSES 1211F THIS IS A FORMS (3) ENCLO- COUNT NUMBER OF ALL CORRESPONDEN	SE PACRING	OF LADING	HIPMENTS TO BLY INDICATED	ID COA-	D ITEM D	ESCRIPTION			TIMU	<del>- 1</del>		
NO.	QUANTITY	UNIT		All desc	riptions mu	st begin with appro-	priate 5 or	11 digit commodity	code.		PRICE	_		
:	2	EA				ANICS - (GC		ANTC			\$ 400. 2315.	ı		30.00
3	2	EA EA			inati	Biorițy( P Con <sup>, y</sup>	2 Kdin	113			5	.od		5.00
4	1	EA	EXTR	ACTIO	N PRO	OCEDURE T					400			00.00 65.00
5	1	EA	IR	ON, A	IND M	<sub>Y,</sub> POLLUTA ANGANESE BOR, PROCE	` '	7.1	S BAI	RIUM	465	.00		45.00
			GRAN	T FUI	NDS C	AT THIS E	O THE	RCRA SU	BTIT	ERAL LE C				
		-	AWAR	DED 1	BY TH	nce no d e federal uested, w	. agen There	icy.() amen Necessar	DMEN'	0		İ		
-			TQ T	SE TI	HE OR REQUE	IGINAL GF	ANT A		CONF	ORM				
	(m)		- JMP		ATURE: This pu	rchase order co	ontains Pr	DAT ompt Payment	_	ıtion.				
The provision	PPROVAL: Signatures of a current State use subject to a	He contract or your tr				tems purchased under Di ands required and author	FA A IPOLEALOC	Are not currently availab	e seer [		TOTAL		\$ 7,	,245.
	U	t C.C.	Loud	<u>!</u>		_	Sep. 1	ODS.		759	F PURCHASE AU			:* onei
	- IA	U. NUNIZEU SIUPIYI	, ret		_		9/25	159		H <sub>01</sub>	INKET ORDER ECT PURCHASE ECIAL PROCURER	AUTHO	RIZATION AINER ALITH	ORIZATION
		PED NAME OF AUTH					DATE				CIAL PHOCURE			
ne ssung A Loe and nun	igency's Approval Ther of authorizat	Officer's signature gui on to be indicated in	Brantees comt The space pri	phance with all prided. Maleri	e deimered ad er deimered ad	opovisions of Chap. 107 regering the Authorization langlithe progras NOT st	granted by the bect to Federa	Director of Excise Taxes				COI	AMERCE SI	171
\$ A 54 32 9 partes 9 1 partes meri 19 PB2-AR47	(8-1 et seg exem this contract do t eurso are terebt	ificate No. 22-75-0050 ots all materies sold hereby agree that the c made a part of this c	NJ State Agr provisions of f	rc:es tom Si 5 J S A 10 Z-1	aes or Use Ta Tel seg dear	VENDOR C	-: 01-444 04 0	ubic contracts and the f	Rules and Re	igu at ons pri	[3] [1] 2016 - 1016 - 1016 - 1016 - 1016 - 1016 - 1016 - 1016 - 1016 - 1016 - 1016 - 1016 - 1016 - 1016 - 1016 - 1	ت زم	الا در	
		أميار كالمخطية متاكيكات			ه فيديونون ده.		والمعجوب والمستهيط					्र भारतास्त्र		

### STATE OF NEW JERSEY



#### REGEIPT FOR PROPERTY

UNIT	DESIGNA	TION OF RECEIVING HEADQUARTERS		COMPLAINT OR CASE NR (If any)
1000	DHW.	17 Bureau of	Compliance /Tech Sen	<i>'</i>
LUCA	Rein ?	Tech Candon 1:		
NAME	OF PERS	ON FROM WHOM PROFERTY IS CETAIN	NED ADDRESS (Include ZIP Cod	
	WNER	Larry Fernson	1860 Carm.	1/5
<u> </u>		PROPERTY	<u> </u>	
DIIDD	NSE FOR	WHICH OBTAINED		
		Samples for Inc	lysis	
ITEM NR	QUAN-	1900 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DESCRIPTION OF ARTICLES	ue, when appropriate)
-		2501-1 01:- 6/	ess bottle filled w	ith black sludge
1	,	assumed FEP	sample # MIL'H-016	7
		orasing inte		· +
2	1	950ml sinher of	ass bottle filled	Will state
		liquid assign	ned DEP sample:	# 11104-020
3	1	750 ml amber	glass bottle fille	a will black
		liquid 255teri	red DEP sample	# MW/4-62/
4	,	scenil ruber	glass bettle fil agricous liquid & # 11114-022	led with
'	<i>l</i>	alice charge	agreement light	assioned
		DIENT MALLEN	H was 11 and	133.946.
		DEP SAMPLE	# 11WH-022	
			Final Item	
			rinal 2	
		,		
		ر به سره العربي <u>ة الحرب</u> المست <u>حديث الحرب</u>	est and the second second second second second second second second second second second second second second	·
17500			CHAIN OF CUSTODY	T
NR	Date Time		RECEIVED BY	PURPOSE OF CHANGE OF CUSTODY
i,	10/	TYPED NAME	Michaelle Hruse	Samples for
3	13/ 250	SIGNATURE	SIGNATURE	1 alicie
4	97	Lung Fers-	Michael M. Hand	7-12 419313
1,	14/15.	Michael L' Nouse	PIAN JONES	Sampley Lo
V	13/ 80	SIGNATURE	SIGNATURE	7/14
7	57	TYPED NAME	TYPED NAME	/ 4 7
			J. J.	]
		SIGNATURE	SIGNATURE	
-		TED NAME	TYPED NAME	
	İ			_
		#:GNATURE	SIGNATURE	

NAME OF UNIT	Will State of the second second
Name of Person(s) Pressor (15) for Sample Shutt	le representation de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la company de la compan
Name Trade	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
Date above mentioned Person(s)	Military Time Laboratory Affixed Sample Shuttle Seal No. 54.771.78
Name of Personal State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the S	Sample Shuttle Seal No.
Breaking Laboratory Seal	Title Title Title
and Taking Field Sample	THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE P
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	Time (Mil) Coal Richard Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Residence and Coal Res
Sample Shuttle Seal No.	Time (Mil) Seal Broken and Sampling Begin 4
FIELD SAMPLE NUMBER NUMBER(S)	VOLUME OF CONTAINERS DESCRIPTION OF SAMPLE STATES
MULT ZIT	DESCRIPTION OF SAMPLE WITH
District the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the sec	
	Judge)
	THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE P
LAB CONTROL NO.	
	And the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	Bank Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the C
Date Sampling Completed & Field South Park   Seal Affixed to Sample Shuttle	Military Time
Seal Affived to Commit Character and Late I have the	ried Affixed
	Military Time Sample Shuttle Seal No
Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting	Sample Shuttle Seal No
	Sample Shuttle Seal No
Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting	Title And Total Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Contr
Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample Name Field Sample Seal No.  Date Broken	Title  Military Time Seal Broken
Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample Name Field Sample Seal No.  Date Broken	Title  Military Time Seal Broken
Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample Name Date Broken  SAMPLE RELINQUISHED BY SAMPLE RECEIVED B	Title  Military Time Seal Broken  DATE # TIME TO REASON FOR CHANGE OF CUSTODY
Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample Name Date Broken  SAMPLE RELINQUISHED BY: SAMPLE RECEIVED B	Title  Military Time Seal Broken:  DATE TIME  REASON FOR CHANGE OF CUSTODY  AND A CONTROL OF CUSTODY
Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample Name Date Broken  SAMPLE RELINQUISHED BY SAMPLE RECEIVED B	Title Military Time Seal Broken  Page 1 Time Reason For Change of Custody  Reason For Change of Custody
Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample Name Date Broken  SAMPLE RELINQUISHED BY SAMPLE RECEIVED B	Title  Title  Military Time Seal Broken  Time  REASON FOR CHANGE OF CUSTODY  A 2 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample Name Date Broken  SAMPLE RELINQUISHED BY SAMPLE RECEIVED B	Title  Military Time Seal Broken  PARE TIME  REASON FOR CHANGE OF CUSTODY  A 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample Name Date Broken  SAMPLE RELINQUISHED BY SAMPLE RECEIVED B	Title  Military Time Seal Broken  TIME:  REASON FOR CHANGE OF CUSTODY  AND A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF
Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample Name Date Broken  SAMPLE RELINQUISHED BY SAMPLE RECEIVED B	Title  Military Time Seal Broken  TIME:  REASON FOR CHANGE OF CUSTODY  AND A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF CUSTODY  A CONTROL OF
Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample Name Date Broken  SAMPLE RELINQUISHED BY SAMPLE RECEIVED B	Title  Military Time Seal Broken  PARE TIME  REASON FOR CHANGE OF CUSTODY  A 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample Name Date Broken  SAMPLE RELINQUISHED BY SAMPLE RECEIVED B	Title  Military Time Seal Broken  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  RE
Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample Name Date Broken  SAMPLE RELINQUISHED BY SAMPLE RECEIVED B	Title  Military Time Seal Broken  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  RE
Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Name Responsibility for Sample Name Date Broken  SAMPLE RELINQUISHED BY SAMPLE RECEIVED B	Title Military. Time Seal Broken  PEASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY
Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Name Responsibility for Sample Name Date Broken  SAMPLE RELINQUISHED BY SAMPLE RECEIVED B	Title  Military Time Seal Broken  Part Time  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF
Laboratory Person Breaking Field Seal on Sample Shuttle & Accepting Responsibility for Sample Name Date Broken  SAMPLE RELINQUISHED BY SAMPLE RECEIVED BY  SAMPLE RELINQUISHED BY SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEIVED BY DATE BROKEN  SAMPLE RECEI	Tile  Military Time Seal Broken  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY  REASON FOR CHANGE OF CUSTODY

COPIES: Gold - Container/Shuttle Preparation Receipt Pink Field Sampler Receipt Yellow - Analyst Chain of Custody White - Sample Custodians Chain of Custody



Form DEP-060

N ERSEY DEPARTMENT OF ENVIRONMENTAL PRC TION

10/86

CHAIN OF CUSTODY RECORD WITH SHUTTLE

Use One Form for Each Sample

Shaded Areas for

lame of Person(s) Preparin	g Container(s) for Sample	Shuttle Title	UDY.	Agency of Date	18 K-19
ame 57 (413) E-1785 - 34-955	A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA	Title a State of a	National Actions of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of t	Agency	The Mandanian-
ate above-mentioned Personate Above-mentioned Personate (s) in Samp	on(s) with the solution of the shuttle	/ 69 Military Tir	ne de la companya de la companya de la companya de la companya de la companya de la companya de la companya de	Laboratory Affixed Sample Shuttle Seal N	lo. 5 8 77 - 78
ame of Person(s)	Name - D	Adt. Don	AND THE THE	WOLLD STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE	
reaking Laboratory Seal of Sample Shuttle Sample Shuttle Sample Shuttle Sample	A CONTRACT OF A	等///过。(A)	是的是一种的特色		Spec Co
ate, Laboratory (1984)		**************************************	11 200	Time (Mil) Seal Broke nd Sampling Begun	nte a track to the
SALAN AND	IAIN	ER VO	LUME OF	ind Sampling Degun s	
FIELD SAMPLE	NUMBER	(S) CON	- National Advantage of the Land	DESCRIPTION	OF SAMPLE
MWN.020		The Marian	750ml	71	lquid
	The Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of the Samuel of th	To endergine the comments of the	THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SECTION OF THE SE		1200
			िल्या है। सिंद का कि एक क्षेत्रक के क्षानिक स्वर्की के		
		might be a married about the first of			ender when it to do
LAB CONTROL NO.	A PORTOR OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PA	Some Course of the State			i de la compania de la compania de la compania de la compania de la compania de la compania de la compania de Compania de la compania
	San Artificial Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Compan	30 0000		and the second states	A STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF THE STANDARD OF
And the second		Charles of the Charles	man and a state of		WILLIAM TO
THE ROUSE SHOW THE	CALL CONTRACTOR OF THE PARTY.	and the south of the south the south	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		
Add the at A. San De					
ite Sampling Completed &	Field 571 2 133	Military Tim		ield Affixed	5 8 6 A A =
te Sampling Completed & al Affixed to Sample Shut		Military Tim		ield Affixed Mariannele Shuttle Seal No	5469 A
boratory Person Breaking	The second	Military Tim		ield Affixed Mariannel Shuttle Seal No	5469 7
boratory Person Breaking al on Sample Shuttle & Ac	Field 1	Military Tim		ield Affixed ample Shuttle Seal No	5469 A
boratory Person Breaking al on Sample Shuttle & A sponsibility for Sample	Field Cepting Name	Military Tim		ield Affixed ample Shuttle Seal No	STEP A
boratory Person Breaking al on Sample Shuttle & A sponsibility for Sample	Field Cepting Name	Military Tim	Title	ample Shuttle Seal No	
boratory Person Breaking al on Sample Shuttle & A sponsibility for Sample	Field Name Date	Joken Tarana	Title	illitary Time Seal Bro	A DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR
boratory Person Breaking al on Sample Shuttle & Ad sponsibility for Sample ld Sample Seal No.	Field Name Date	Military Times of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	Title		A DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR DE CONTRACTOR
boratory Person Breaking al on Sample Shuttle & Ad sponsibility for Sample ld Sample Seal No.	Field Name Date	Joken /A	Title	filitary Time Seal Broken For Ci	ken LANGE OF CUSTODY
boratory Person Breaking al on Sample Shuttle & Ad sponsibility for Sample ld Sample Seal No.	Field Name Date	Joken /A	Title A	filitary Time Seal Bro	ken LANGE OF CUSTODY
boratory Person Breaking al on Sample Shuttle & Ad sponsibility for Sample ld Sample Seal No.	Field Coepting Name Date I	Joken DATE	Time	filitary Time Seal Brook	ken HANGE OF CUSTODY
boratory Person Breaking al on Sample Shuttle & Ad sponsibility for Sample and Sample Seal No.	Field Coepting Name Date I	Joken DATE	Time	filitary Time Seal Brook	ken ANGE OF CUSTODY
boratory Person Breaking al on Sample Shuttle & Ac sponsibility for Sample and Sample Seal No.	Field Coepting Name Date I	Joken DATE	Time	filitary Time Seal Bro	ken HANGE OF CUSTODY
boratory Person Breaking al on Sample Shuttle & Ad sponsibility for Sample eld Sample Seal No.	Field Coepting Name Date I	Joken DATE	Time	filitary Time Seal Bro REASON FOR CI	ken  ANGE OF CUSTODY
boratory Person Breaking al on Sample Shuttle & Ac sponsibility for Sample eld Sample Sea No.	Field Coepting Name Date I	Joken DATE	Title	filitary Time Seal Bro	ken  IANGE OF CUSTODY
boratory Person Breaking al on Sample Shuttle & Ac sponsibility for Sample eld Sample Sea No.	Field Coepting Name Date I	Joken DATE	Time	filitary Time Seal Bro	ken  IANGE OF CUSTODY
boratory Person Breaking al on Sample Shuttle & Ac sponsibility for Sample eld Sample Sea No.	Field Coepting Name Date I	Joken DATE	Title M	ilitary Time Seal Bro REASON FOR CI	ken  IANGE OF CUSTODY
boratory Person Breaking al on Sample Shuttle & Ac sponsibility for Sample eld Sample Sea No.	Field Coepting Name Date I	Joken DATE	Time	ilitary Time Seal Bro REASON FOR CI	ken  IANGE OF CUSTODY
boratory Person Breaking al on Sample Shuttle & Ac sponsibility for Sample addressed to the sample seal No.  SAMPLE RELINQUISHED	Field Coepting Name Date I	Joken DATE	Title M	illitary Time Seal Bro REASON FOR CF	ken  IANGE OF CUSTODY

# ERSEY DEPARTMENT OF ENVIRONMENTAL PRC TION CHAIN OF CUSTODY RECORD WITH SHUTTLE Shaded Area

Shaded Areas for DEP Field Use Only

		<b>FISHS</b> IPM	Agency # 757	イングライド
lame  late above-mentioned Person(s) laced Container(s) in Sample Shi	Title	Military Time	Agency  Laboratory Affixed Assumple Shuttle Seal No	127778
ame of Person(s)	N. W. W. W. W. W. W. W. W. W. W. W. W. W.	Transfer and the second	SA SA ENVIL	
reaking Laboratory Seal (1997) in Sample Shuttle 1997 in Taking Field Sample	Name Name Dr Od	TILL THE THE	THE BAUT	
ate Laboratory		70723729	Time (Mil) Seal Broken and Sampling Begun	12.49
TO HOLDER CO.	TAINER	Angerbright Burter, a to them be	and for the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section of the section o	ئۇڭىزىق ئەردىكىيەر ئەرى ئەربىيىنىدىن ھەربىيەرلىكىدەر ئەيگىيىدىن ئايىلىكى
FIELD SAMPLE	NUMBER(S)	CONTAINERS		
MWH = 021		950ml	Black	liquid
ストラージングで こういんしゅう サリーデス あげき	And the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s			
Security of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second	All the second of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA		CANAGO ANAS ATRA ATRA ATRA ATRA ATRA ATRA ATRA AT
LAB CONTROL NO.	Andreas (Salate Colored Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate Salate	Shall School of the Control of		
AND SHOULD BE SEEN TO SEE	tana ay sa sa sa sa sa sa sa sa sa sa sa sa sa			
			Field Affixed Sample Shuttle Seal No	5569 7
ale Sampling Completed & Field al Affixed to Sample Shuttle	14 - 35 - 89	A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA		
ale Sampling Completed & Field cal Affixed to Sample Shuttle aboratory Person Breaking Field cal on Sample Shuttle & Accepti	144 - 3-189	A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA	Sample Shuttle Seal No	
ale Sampling Completed & Field cal Affixed to Sample Shuttle aboratory Person Breaking Field cal on Sample Shuttle & Accepti	144 - 35 - 89	A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA	Sample Shuttle Seal No	
ale Sampling Completed & Field cal Affixed to Sample Shuttle aboratory Person Breaking Field cal on Sample Shuttle & Accept esponsibility for Sample	144 - 3-189	A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA	Sample Shuttle Seal No	Man Pall State
ale Sampling Completed & Field cal Affixed to Sample Shuttle aboratory Person Breaking Field cal on Sample Shuttle & Accept esponsibility for Sample	144 - 3-189	Military Time /23/	Sample Shuttle Seal No  Military Time Seal Brok	Constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the consti
ate Sampling Completed & Field cal Affixed to Sample Shuttle aboratory Person Breaking Field all on Sample Shuttle & Acceptiesponsibility for Sample eld Sample Seal No.	ng Name Date Broken	Military Time /23 / Till	Sample Shuttle Seal No  Military Time Seal Brok	Man Pall State
ale Sampling Completed & Field al Affixed to Sample Shuttle aboratory Person Breaking Field al on Sample Shuttle & Acceptiesponsibility for Sample eld Sample Seal No.	Name Date Broken  SAMPLE RECEIVED BY	Military Time /23 / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Ti	Sample Shuttle Seal No  Military Time Seal Brok  REASON FOR CH	CONTRACTOR OF CUSTODY S
ale Sampling Completed & Field al Affixed to Sample Shuttle aboratory Person Breaking Field al on Sample Shuttle & Accept esponsibility for Sample eld Sample Seal No.	Name Date Broken  SAMPLE RECEIVED BY	Military Time /23 / Title / DATE TIME	Sample Shuttle Seal No  Military Time Seal Brok  REASON FOR CH	CONTRACTOR OF CUSTODY
ale Sampling Completed & Field al Affixed to Sample Shuttle aboratory Person Breaking Field al on Sample Shuttle & Accepting sponsibility for Sample eld Sample Seal No.  SAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISHED BY DAMAGE AND ASSAMPLE RELINQUISH AND ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUISH ASSAMPLE RELINQUIS	Name Date Broken  SAMPLE RECEIVED BY	Military Time /23 / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Title / Ti	Sample Shuttle Seal No  Military Time Seal Brok  REASON FOR CH	en Harris Ange of Custody
ale Sampling Completed & Field al Affixed to Sample Shuttle aboratory Person Breaking Field al on Sample Shuttle & Acceptiesponsibility for Sample eld Sample Seal No.  SAMPLE RELINQUISHED BY DESART	ng Name Date Broken  SAMPLE RECEIVED BY	Military Time /23 / Till	Sample Shuttle Seal No  e  Military Time Seal Brok  REASON FOR CH	en ANGE OF CUSTODY
ale Sampling Completed & Field al Affixed to Sample Shuttle aboratory Person Breaking Field al on Sample Shuttle & Acceptiesponsibility for Sample led Sample Seal No.  SAMPLE RELINQUISHED BY	Name Date Broken  SAMPLE RECEIVED BY	Military Time /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23 / Title /23	Sample Shuttle Seal No  Military Time Seal Brok  REASON FOR CH	Cas High and a contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the
ale Sampling Completed & Field al Affixed to Sample Shuttle aboratory Person Breaking Field al on Sample Shuttle & Acceptiesponsibility for Sample eld Sample Seal No.  SAMPLE RELINQUISHED BY  DESIGNATION OF SAMPLE RELINQUISHED BY	ng Name Date Broken  SAMPLE RECEIVED BY	Military Time /23 / Till	Sample Shuttle Seal No  Military Time Seal Brok  REASON FOR CH	CONTRACTOR OF CUSTODY
ate Sampling Completed & Field cal Affixed to Sample Shuttle aboratory Person Breaking Field all on Sample Shuttle & Accepti esponsibility for Sample eld Sample Seal No.  SAMPLE RELINQUISHED BY  SAMPLE RELINQUISHED BY	ng Name Date Broken  SAMPLE RECEIVED BY	Military Time /23 / Time  DATE TIME  2 5 9	Sample Shuttle Seal No  Military Time Seal Brok  REASON FOR CH	ange of custody s
ale Sampling Completed & Field al Affixed to Sample Shuttle aboratory Person Breaking Field al on Sample Shuttle & Accepti esponsibility for Sample  SAMPLE RELINQUISHED BY  SAMPLE RELINQUISHED BY	ng Name Estate Broken  SAMPLE RECEIVED BY	Military Time /2 3 / Title / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / Time / T	Sample Shuttle Seal No  Military Time Seal Brok  REASON FOR CH	ANGE OF CUSTODY S
ate Sampling Completed & Field al Affixed to Sample Shuttle aboratory Person Breaking Field al on Sample Shuttle & Accepti esponsibility for Sample led Sample Seal No.  SAMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISHED BY AMPLE RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH RELINQUISH	Name Date Broken  SAMPLE RECEIVED BY	Military Time 12.3 5	Sample Shuttle Seal No  Military Time Seal Brok  REASON FOR CH	cn Custody S
Date Sampling Completed & Field eal Affixed to Sample Shuttle aboratory Person Breaking Field eal on Sample Shuttle & Acceptitesponsibility for Sample leld Sample Seal No.  SAMPLE RELINQUISHED BY	Name E Date Broken  SAMPLE RECEIVED BY	Military Time 12.3 5	Sample Shuttle Seal No  Military Time Seal Brok  REASON FOR CH	cn Custody S

Gold - Container/Shuttle Preparation Receipt Yellow - Analyst Chain of Custody

Pink - Field Sampler Receipt
White - Sample Custodians Chain of Custody

#### ERSEY DEPARTMENT OF ENVIRONMENTAL PRO

# CHAIN OF CUSTODY RECORD WITH SHUTTLE Use One Form for Each Sample Shaded A

NAME OF UNIT				a protection of the following	
	DERFIN	Miss HOtas	En Shite	ste Trentma	NOT THE REAL
Name of Person(s) Preparir	g Container(s) for Sample	Shuttle			of the Key world the
Name MASIII				Agency fne/V/	KEM
Name 1	<b>一种种能力的</b>	Title	2年3 <b>月</b> 日本	Agency	<b>人工产业运动</b>
Date above-mentioned Pers Placed Container(s) in Sam	ple Shuttle	Willitary Military	Time (1000)	Laboratory Affixed The Sample Shuttle Seal No. 5	877-7 F
Name of Person(s)	Name of the	MA ALISM		on Ton End Sp.	
reaking Laboratory Seal	Name VETA	19 Hruse	Title	C. SMITTERS	Se China
nd Taking Field Sample	A STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PAR		Title	There is the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state	
Date Laboratory		10 10		Time (Mil) Seal Broken and Sampling Begun	<b>。一种国际</b>
	TAIL	NER V	OLUME OF	Water Street Co.	Carried Spirit
FIELD SAMPLE TO A	NUMBER	R(S) ** ****** C	ONTAINERS AND A	DESCRIPTION OF SA	MPLE TO
NIWN:022	T	Parland promoters	Con 1	clear brow	va
	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	And the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s		clear brown	Lee 1
	The second	लावक राजक्षेत्र	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	" A TO THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE O	7
	THE PERSON NAMED IN				
LAB CONTROL NO.					
	<b>"是一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个</b>	ASMINIST THE THE	area - Sarage		al Ziridi Kara
	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	TO PROVIDE THE TOP	the second of the	en transcription of the	
		Consider confinencial	<b>是在中心的一个人的一个人的一个人的一个人的一个人的一个人的一个人的一个人的一个人的一个人</b>	<b>用产工。</b> "一个"等。	
<b>中国</b> 中国等点,但中国中国	Same sales and the same of the fact of				<b>经</b>
Pate Sampling Completed	& Field	Military T	ime // - 3 5	Field Affixed	6.4
eal Affixed to Sample Shu	ittle	Military T	ime /235	Field Affixed  Sample Shuttle Seal No.	69 AW
eal Affixed to Sample Shu aboratory Person Breaking	Field	Military T	Ime /235	Field Affixed Sample Shuttle Seal No.	169 Au
eal Affixed to Sample Shu aboratory Person Breaking eal on Sample Shuttle & A	g Field	<u>E7</u> Military T	Ime /2-35	Field Affixed Sample Shuttle Seal No.	169 Aug
aboratory Person Breaking aboratory Person Breaking eal on Sample Shuttle & A esponsibility for Sample	g Field	Military T	Ime /23	Field Affixed Sample Shuttle Seal No.	169 A 11 11 11 11 11 11 11 11 11 11 11 11 1
aboratory Person Breaking aboratory Person Breaking eal on Sample Shuttle & A esponsibility for Sample	g Field Accepting Name	Broken /	Title	Field Affixed Sample Shuttle Seal No.	
al Affixed to Sample Shu aboratory Person Breaking all on Sample Shuttle & A esponsibility for Sample	g Field Cocepting Name Date	Broken //	Title 1	Sample Shuttle Seal No.  Military Time Seal Broken	
aboratory Person Breaking alon Sample Shuttle & A esponsibility for Sample leld Sample Seal No.	g Field Name Date	Broken /_	Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title Title	Sample Shuttle Seal No.	
aboratory Person Breaking all on Sample Shuttle & A esponsibility for Sample eld Sample Seal No.	g Field ccepting Name Date	Broken  IVED BY  LA	Title	Military Time Seal Broken  REASON FOR CHANGE	OF CUSTODY A
aboratory Person Breaking alon Sample Shuttle & A esponsibility for Sample state of Sample Sample Seal No.	g Field Cocepting Name Date	Broken / DA	Title  Title  TE  TIME  2-39  440  3-31  LE 20	Military Time Seal Broken	of custody:
aboratory Person Breaking alon Sample Shuttle & A esponsibility for Sample eld Sample Seal No.	g Field ccepting Name Date	Broken //	Title Time TE TIME 2 1 1520	Sample Shuttle Seal No.  Military Time Seal Broken  REASON FOR CHANGE  AND THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY OF THE SEAL PROPERTY	E OF CUSTODY
aboratory Person Breaking alon Sample Shuttle & A esponsibility for Sample stated Sample Seal No.	g Field ccepting Name Date	Broken / BA	Title  Title  TE: TIME  2-1/2/20	Sample Shuttle Seal No.  Military Time Seal Broken  REASON FOR CHANGE	e of custody;
aboratory Person Breaking alon Sample Shuttle & A esponsibility for Sample Stuttle & A esponsibility for Sample Sample Seal No.	g Field ccepting Name Date	Broken //	Title Time TE TIME 2 1 15 20	Sample Shuttle Seal No.  Military Time Seal Broken  REASON FOR CHANGE  A CONTROL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SE	E OF CUSTODY
aboratory Person Breaking all pin Sample Shuttle & A esponsibility for Sample seal No.	Field Cocepting Name Date	Broken  WED BY  DA	Title  TE TIME  2-1/1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	Sample Shuttle Seal No.  Military Time Seal Broken  REASON FOR CHANGE	E OF CUSTODY,
aboratory Person Breaking eal pin Sample Shuttle & A esponsibility for Sample leld Sample Seal No.	Field Cocepting Name Date	Broken //	Title Time  23 7 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Sample Shuttle Seal No.  Military Time Seal Broken  REASON FOR CHANGE  A CONTROL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SEAL OF THE SE	E OF CUSTODY
aboratory Person Breaking eal pri Sample Shuttle & A esponsibility for Sample Seal No.  SAMPLE RELINQUISHED	Field Cocepting Name Date	Broken /-	Title  Title  Title  TIME  TIME  TIME  TIME	Sample Shuttle Seal No.  Military Time Seal Broken  REASON FOR CHANGE	E OF CUSTODY
aboratory Person Breaking eal pri Sample Shuttle & A esponsibility for Sample lield Sample Seal No.  SAMPLE RELINQUISHED	Field Cocepting Name Date	Broken  IVED BY  DA	Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Title  Ti	Military Time Seal Broken	OF CUSTODY A
aboratory Person Breaking eal pri Sample Shuttle & A esponsibility for Sample leld Sample Seal No.	Field Cocepting Name Date	Broken /-	Title  TE TIME  2-3 Y / W / W	Military Time Seal Broken	OF CUSTODY A

Gold - Container/Shuttle Preparation Receipt Yellow - Analyst Chain of Custody

TION

ON NJDEP

10/86 CAMPIE ANALYS	ENVIRONMENTAL PR TION NJDEP
DAMI LE AIVALIS	IS REQUEST FORM File #
NAME OF FACILITY/ REALTECH SAMPLE	LOCATION CODE MAILING
	A STATE OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE
LOCATION	
SAMPLER(S) MICHAEL DIVISION	OLLECTOR
Name CONTRACT #	DHWI A THE THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PAR
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	
NIDEP SAMPLE NO SAMPLE IDE SAMPLE NO DATE	
POLYTE TO THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL	ABSCISSA (Longitude)  ORDINATE
SAMPLE TOTAL SAMPLE TOTAL SAMPLE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF THE CONTRACTOR OF T	(Latitude)
SOURCE CODE TO SAMPLING FINISHED POINT TO THE MILE OF THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE POINT TO THE	12:35 MARINE MARINE
COLLECTION Code OPE	PROCESS THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PR
COLLECTION Code Other METHOD	SAMPLE Code Other
1 SAMPLER SALASTINATE LAZZA GASTILIANA ALBARIA (1997)	SAMPLE Code Other SAMPLE Code Other
DESCRIPTION	MATRIX Agricia
SAMPLE FIELD MEAS	TID PAPER OF STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY
TEMP	PARAMETER PARAMETER
AIR TEMP. OC VALUE	
WEATHER	VALUE
CHAIN-OF-CUSTODY IMPLEMENTED YES NO	PRESERVATION CODE(S)
REQUESTED A	
ACQUESTED A	
PARAMETERS (by Compound or Group of Compounds)	CONTAINER LIMIT EMERG EMERG
Valuation of Group of Compounds)	NUMBER (digits/units) EMERG. EMERG. (Check One)
The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	
	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
· · · · · · · · · · · · · · · · · · ·	
	Washington Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	
ANALYSIS(ES) AUTHORIZED BY	ITLE
AOTHORIZED BY	BORATORY
PEDSON	IDURATURT A TOTAL SPECIFICACION OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND STATE OF THE SECOND
LARID # ACCEPTING SAMPLE	

Form DEP-059	NY TREEY DEPARTMENT OF			
10/86		IS REQUEST FORM	NJ	DEP
		1. 10 (1) C. 10 (1) (1) (1) (1)	File	#
NAME OF FACILITY COMPANY/PERSON TO REM 7		LOCATION MAILING	to the second of the second	The second second second second
SAMPLES	EsC.H.	CODE MAILING ADDRESS		
	TO CAMPIE			
SAMPLER(S)	DIVISION	COLLECTOR		THE STATES
Name Dale Alkice	CONTRACT #	ZARDUUS Wa	ste Manag	
Fair Tall Tall Tall Tall Tall Tall Tall Tal		X-195	VII	Format 1B
NIDEP TO THE PROPERTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PA	SAMPLING SAMPLE IDE			
SAMPLE NO. / Ripid Blan	K SAMPLING DATE 10/3		ABSCISSA (Longitude)	N/A
POINT ID SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPLES SAMPL	SAMPLING BEGAN TIME (MIL)	10.03	(Latitude)	NA
SOURCE CODE REFERENCE	SAMPLING FINISHED	12:35	A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA	VIA
POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT OF THE POINT	Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Contro	では、		A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA
COLLECTION Code	SAMPLIN	G PROCESS		<b>然于他们里</b>
COLLECTION Code METHOD TYPE OF 150 Code	AND THE PARTY OF THE PARTY.	TYPE Code	ABI WATE	Carrier management
TYPE OF Code SAMPLER DESCRIPTION		SAMPLE Code MATRIX	QUPUV S	A Comment of the Comment
DESCRIPTION OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF		) 智慧的 "被决定的"	O THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE	
SAMPLE		SUREMENTS CONSTRUCT	and the second state of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se	等
TEMP.	AMETER	PARAMETER	PARAMETER	Company of Many
AIR TEMP	UE	VALUE	VALUE	And the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t
WEATHER		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	7.00	
CHAIN-OF-CUSTODY IMPLEMENTED	YES DNO	PRESERVATION CODE(S)		
<b>東京が出版を開発をある。</b>	REQUESTED.	ANALYSIS(ES)	ALC: NAME OF ALC:	
THE RESERVE THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF TH		Testal Cressells.	Chief Charles and the	in a series of the series
PARAM  (by Compound or Gr	ETERS oup of Compounds)	CONTAINER	DETECTION	NON- EMERG. EMERG.
	20 ANIC STATE	NUMBER	(digits/units)	(Check One)
			The same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sa	TATE OF VA
	MAN BULL COMPANY			
To the wind of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of t		Legist District	The Marie To	
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		the state of the first transport	with the parties of the	
	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s			
			Sa Desk Area	
A Principle of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the Paris of the				AND AND AND AND AND AND AND AND AND AND
	THE RESERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE TO SERVE			Call Street
		Service Business	And the second	
	77.			
ANALYSIS(ES) AUTHORIZED BY	Withand !	TITLE	4,20C	
The second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th				rational and the Artist of
CONTRACT AnalytiKEI	DEDCOM	IM ADO	TITLE	ender i de del Reflection. Les de la lacement de tresse
LAB ID • LAB C		DATE		
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		The second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th		

**"四种特殊是是自然的關係的數學** 

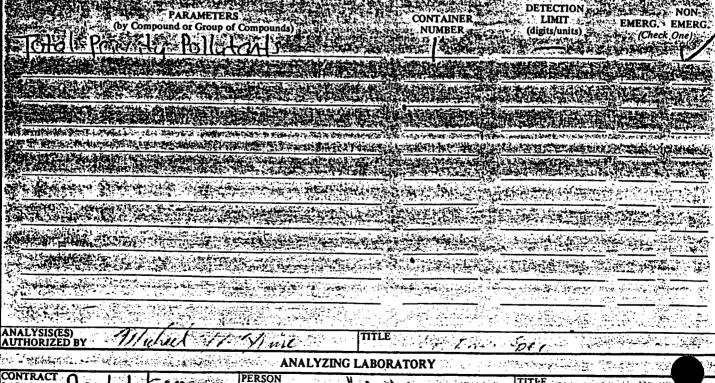
# This Page is Intentionally Blank

NJDEP File #

SAM	PLE	ANAT	YCIC D	FOLIE	CT EODM

	SAMPLE LOCATION	ON A	FILE #	
NAME OF FACILITY REMATE CHARACTERSON REMATERSON REMATERSON	CODE	MAILING ADDRESS	THE WAY WAS	Production of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the last of the
LOCATION				
SAMPLER(S) MICK GE HRVSE DI	VISION TO SELECT	MARKS STATES TO SERVE AND		
Name Dale Adkisson co	NTRACT # V	OUS WASTE	Mana ge Report	men T
The transfer of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of		TION	Format	
SAMPLE NO. MW H - 019	10/3/89	ABSCISSA (Longitude)	17	
POINT DE SAMPLING	BEGAN THE 10:0	ORDINATE (Latitude)	地域をバノスを	
SOURCE CODERN SAMPLING	FINISHED 2m/ 2.3	Salar September	THE MILE	A CONTRACTOR OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF TH
POINTWEETER	SAMPLING PROCES	CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL CANAL		
METHOD CORE	SAMPLE TYPE	Code Code	ther	CALL CONTROL
SAMPLER TRUW	SAMPLE	Code NON -	<b>▲</b>	Contract of the second
DESCRIPTION Black VISCOU	Material	) FARMET CONTR	Agueous	X.6.4.7.7.5.
SAMPLE PARAMETER PARAMETER	FIELD MEASUREMEN	ITS TO THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY O		CANCEL SEC
AIR TEMP. 76 PT CONTRACTOR OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF	Maria Company of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of the State of t		ARAMETER (* ****	
WEATHER	VALUE	STREET SHOWED AND AND AND A STREET VICE VICE VICE VICE VICE VICE VICE VICE	ALUE	en fan it in de en skriver alle e
CHAIN-OF-CUSTODY IMPLEMENTED YES	NO PRESERV		Leger III	
化。 · · · · · · · · · · · · · · · · · · ·	QUESTED ANALYSIS	(ES)		War and the
PARAMETERS TO PARAMETERS		DE	TECTION	NON
(by Compound or Group of Compounds)		CUNTAINER	EME	RG. EMERG. Check One
	CTY			
HEAVING METALS AND ALL STREET	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s			
SW 846 Method o logy	The second			
		- marine and a second		AL MEDIA
THE PROPERTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF TH	la artista de la constanta de la constanta de la constanta de la constanta de la constanta de la constanta de			A THE REAL PROPERTY.
William Marie and Marie and	-1010			
			STORES OF THE	1254
	The second second	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	
ANALYSIS(ES)				
AUTHORIZED BY	TITLE	profavoresc	CC	
CONTRACT	ALYZING LABORATO	ORY district the second	क्षा स्टब्रिक स्टब्स्ट्रिकेस्ट १ स्टब्स्ट्र	edramby ca
LAB NAME ANA LUTIKE ACCEPTING LAB ID * LAB CONTROL *	SAMPLE IM	V7 - 6 3 - TITLE		

Form DEP-059	NI PRINT OF ENVIRONMENTAL PR TION
10/86 \$	NJDEP TO THE NUMBER OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PRO
	SAMPLE ANALYSIS REQUEST FORM
NAME OF FACILITY/ 12	The strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy of the strategy o
COMPANY/PERSON & COMT	2Ch MAILING ADDRESS
LOCATION	
TO PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PA	SAMPLE COLLECTOR
SAMPLER(S) HANDER HANDER	DIVISION HOZONTUT Wester Monacomatal
(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	The A
THE RESERVE THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PA	SAMPLE IDENTIFICATION
SAMPLE NO MUHECOO	
SAMPLE MEN CONTROL STATE OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPERTY OF THE SAMPLE PROPER	SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLING DATE: SAMPLI
SAMPLE SAMPLES	TIME (MIL) SAMPLING BEGAN 10. 63 ASSESSMENT (Latitude) PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF THE CHILD PROPERTY OF
SOURCE CODE	TIME (MIL) SAMPLING FINISHED 2 2 2 3 ELEVATION AND A SAMPLING FINISHED 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
POINTERNATION	<b>一种,一种,一种,一种,一种,一种,一种,一种,一种,一种,一种,一种,一种,一</b>
	SAMPLING PROCESS TO THE TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL
METHOD TO A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE	ISAMPLE Code Other State
TYPE OF Code	CAMPUT
DESCRIPTION BIOCK OF	MATRIX USA Aqueou
and were consisted at the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same	
SAMPLE U	FIELD MEASUREMENTS TO THE PARAMETER
AIR TEMP	PARAMETER PARAMETER PARAMETER
四名の東京学術が表してつから まながら 一名の 名が、	VALUE VALUE VALUE
WEATHER SUNAU	
CHAIN OF CUSTODY IMPLEMENT	TED PRESERVATION CODE(S)
	REQUESTED ANALYSIS(ES)
Principal Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of	Name of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state
PAR	是是这个特殊的,这是我们的对象是是这种的,我们就是我们的一个人,我们就是我们的一个人,我们就是这个人,我们就是这个人,这个人,这是这个人的,我们就是这个人的人,
(by Compound o	Group of Company Andrews EMERG. EME
E CHO & LANGE STATE OF	
	A COMPANY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE P
	<b>向外的心理,这个人的证明,不是不是一个人的人的人,不是不是一个人的人的人的人的人们的人们的人们的人们们们们们们们们们们们们们们们们们们们们</b>
of the second second	你是事者的我们的是这个人,我们就没有这个人的,我们就是我们的,我们就是这个人的,我们就是这个人的,我们就是这个人的,我们就是这个人的。""这么是这个人的,这个人
CHOISE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDE TO THE PROVIDED TO THE PROVIDED TO THE PROVIDED TO THE PROVIDE	
A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA	



TIME (MIL)

TITLE

A Y 2 Mary 2 YOR MARCHANING AND		13.00	enternation of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co	والمحقق الراب المالية المساوية	2000 2000 2820
THE REAL PROPERTY.		A PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PAR			
Form DEP-059	NI	RSEY DEPARTMENT	OF ENVIRONMENTAL PR	TION N	IDED A
14 THE 1-17	A CONTRACTOR OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF TH	SAMPLE ANALY	VCIC DECLIECT ECDM	F	le #
	Marine Inches	SAMP	LE LOCATION		
NAME OF FACILITY COMPANY/PERSON	WARNITECH	/ AND WAR TO	CODE	SALL THE PARTY	
SAMPLE AND LOCATION	ACONT. M. MARCH		CODE MAILING ADDRESS		
		CAMPI	E COLLECTOR TO SERVICE	PART STATE CONTRACTOR	
SAMPLER(S) Name	ALCOHOLD TO				
Name		COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN COLUMN CO	DRWHI		- /
	71117			Task # VIIS	
NIDEP		SAMPLE I	DENTIFICATION	ACTION OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PART	THE MENT STATE
SAMPLE NO.		SAMPLING ENTER	LANGE TO STATE OF THE PARTY.	ABSCISSA (Longitude)	Karana ya
POINT ID		CAMPINE PEC	THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY NAMED IN COLUMN TWO IS NOT THE PARTY N	ORDINATE BUSINESS (Latitude)	
SAMPLE HAR SOURCE CODE	THE PROPERTY OF	TIME (MIL) PENERAL	<b>一种,一种,一种,一种,一种,一种,一种,一种,一种,一种,一种,一种,一种,一</b>	ELEVATION LEGISLA	
POINT		A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA		CONTRACTOR OF STREET	SALES CONTRACTOR
THE PERSON		THE RESERVE OF STREET	INC DDOCESS	A STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF STATE OF S	
COLLECTION Coc	de Other	A CALL MARKS A LOS DAVIEL	ING PROCESS	Other	
TYPE OF COL	BEAUTICALIA CLE	THE PARTY OF THE PARTY OF	SAMPLE Code	THE PROPERTY OF	the beautiful attention
SAMPLER MARKET, 12	WADE	and the second second	MATRIX LOGE	Other	The district of the state of
DESCRIPTION OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF	別が火きは計画		MATRIA MATRIA	121	
Accurate mineral de por	A STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STA	FIELD MI	ASUREMENTS TO THE	SHOW THE PARTY OF	B. B. War of Land
TEMP.	PARAMI	TER	PARAMETER	PARAMETE	R
AIR TEMP	ZE F VALUE	and the second	PARAMETER VALUE		Surger of a select
WEATHER	YALUE		VALUE	VALUE	
		Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Contro	A Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Company of the Comp		
CHAIN-OF-CUSTOD	OY IMPLEMENTED:	YES DNO	PRESERVATION CODE(S)	MY C	ON MANAGE THE
MALE TO THE STATE OF THE	A CONTRACTOR OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF TH	mate 2 Years management			
· · · · · · · · · · · · · · · · · · ·	The second of the title of the second of the the	学院等では、KEQUESTE	D ANALYSIS(ES)	ALL SECTION OF A STREET	m total sont distribution
The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		Commence in the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the st	D ANALYSIS(ES)	and a street of the state of the	MANUSAMENTALIS
The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		Commence in the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the st	CONTAINER	DETECTION	NO.
The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		RS and Compounds)	CONTAINER	DETECTION	NO.
The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		Commence in the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the st	Section 18. 18 has employed and a second section of	DETECTION	NO.
The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		Commence in the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the st	CONTAINER	DETECTION	A NO
The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		Commence in the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the st	CONTAINER	DETECTION	A NO
The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		Commence in the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the st	CONTAINER	DETECTION	NO.
The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		Commence in the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the st	CONTAINER	DETECTION	A NO
The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		Commence in the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the st	CONTAINER	DETECTION	A NO
The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		Commence in the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the st	CONTAINER	DETECTION	A NO
The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		Commence in the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the st	CONTAINER	DETECTION	A NO
The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		RS of Compounds	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	A NO
The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		RS of Compounds	CONTAINER	DETECTION LIMIT (digits/units)	A NO
The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		RS of Compounds	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	A NO
The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		RS of Compounds	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	A NO
The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		RS of Compounds	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	A NO
The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		RS of Compounds	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	NO.
		RS of Compounds	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	NO.
The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon		RS of Compounds	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	NO.
ANALYSIS(ES) BY	PARAMETE Oy Compound or Group	RS and of Compounds III	CONTAINER NUMBER	DETECTION LIMIT (digits/units)	NO.
ANALYSIS(ES) AUTHORIZED BY	PARAMETE Oy Compound or Group	RS and of Compounds III	CONTAINER NUMBER NUMBER TITLE LABORATORY	DETECTION LIMIT (digits/units)	MC EMERG. EMI

Form DEP-059	NF RSEY DEPART	MENT OF ENVIRONMENTAL P	TION	PD S
	SAMPLE A	NALYSIS REQUEST FOR		
KIND OF THE SECOND		AMPLE LOCATION	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	
COMPANY/PERSON	为用类对陆峰高级	CODE		TO THE PARTY OF
LOCATION AND AND AND AND AND AND AND AND AND AN			TANK MAKEN	
STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE	S TEMPERAL S	MPLE COLLECTOR	W. The Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of the Later of th	
Name (14)	DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISION DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI DIVISIONI	N. T. T. T. T. T. T. T. T. T. T. T. T. T.	No. of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of	A. 42.78
Name -	CONTR	ACT # CT TO THE TOTAL	Task # 1 Task	leport S
THE REAL PROPERTY.	SAM	PLE IDENTIFICATION		Ormat -
SAMPLE NO.	SAMPLING DATE	Carrent Language	ABSCISSA (Longitude)	See Particula
POINT ID	TIME (MIL) 48 SAMPLING BE	All Condenses Comments	ORDINATE (Latitude)	t to the
SOURCE CODE ASSESSMENT	TIME (MIL)	Marie Del Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common Common	ELEVATION	
POINTS				
CONTRACTOR OF STREET	S. S. S. S. S.	MPLING PROCESS		
COLLECTION Code	Other Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments of the Comments	SAMPLE Code	Other	744 (A. 2) Y
TYPE OF THE Code	Other		Other	
DESCRIPTION	· 1000年1950年1950年	A CONTRACTOR OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF TH	144000	
THE PROPERTY OF STREET		D MEASUREMENTS		
TEMP.		PARAMETER	-114	THE ASSESSED
AIR TEMP	VALUE TO THE TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL			The sales of
WEATHER		VALUE	VALUE	
CHAIN-OF-CUSTODY IMP	LEMENTED YES TO		E(S)	
	COST CARROLL AND SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE SECURE OF THE	ESTED ANALYSIS(ES)		AND THE PROPERTY OF
THE PLANT OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE P	A STATE OF THE PARTY OF	ACCOUNTACTOR (ES)	ROLL STREET, NEW YORK, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET,	
	PARAMETERS	CONTAINE	DETECTION	EVEDO E
	mpound or Group of Compounds)	NUMBER	(digits/units)	EMERG. E
				-
				<b>FEET 15</b>
Company and				
PROPERTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PA	THE PARTY OF THE PARTY.			
AMORTHUM:	DATE TO THE PARTY OF	<b>《大学》,"大学,"大学,"大学,""大学,""大学","大学","大学","大学","</b>	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	
The Control of the Control		STATE OF THE STATE OF	and the same of the same	10.00
**************************************		interest		
THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY OF THE P				
The first of the attractor of the trace of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of	the state of the same of the same of			
<b>可多有性的</b>	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	And the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of t		
ANAL VOICES			4.3万类19.55	
ANALYSIS(ES) AUTHORIZED BY	LOALS THE THE TOOL		17. G/7. 35 16	
The same state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of	ANAL	ZING LABORATORY	Company of the second	bilisb <b>a</b>
MNTD A CT		,	Toronto.	
CONTRACT LAB NAME = //, ///// LAB ID • /	PERSON ACCEPTING SA	MPLE (1M A) (1)	TITLE	

# NEW JE1 Y DEPARTMENT OF ENVIRONMENTAL PLACTION DIVISION OF WASTE MANAGEMENT BUREAU OF FIELD OPERATIONS

	i
NO.	1
140.	

DATE 10/3/29	W/EF #
CASE NAME REMIECH (Flower 0:1)  LOCATION IXX Carra Auc.  Canda NJ  CONTACT:	TIME OF SAMPLING 10:03 HOURS  COLLECTED BY:  RECORDED BY:  RECORDED BY:
FIELD SAMPLE NO. A FILE BLANK  B  SPECIFIC SAMPLING SITE:  DRUM #  TANK TRAILER #  STATIONARY TANK #  HORIZONTAL VERTICAL UNDERGROUND	TYPE OF SAMPLE:    Liquid
☐ TOP ☐ MIDDLE ☐ BOTTOM ☐ OTHER  SAMPLING CONTAINER: ☐ GLASS ☐ PLASTIC	COLOR DI Walter  ODOR  OTHER  SUSPECTED SUBSTANCE(S):
CONTAINER VOLUME:	ADDITIONAL INFORMATION: Field Black
OTHER OZ./ YO ML.  CONTAINER FILLED: YES NO  CHAIN OF CUSTODY INITIATED  YES NO	3 Bolles at 40 nl each

## NEW JE. LY DEPARTMENT OF ENVIRONMENTAL F. TECTION DIVISION OF WASTE MANAGEMENT BUREAU OF FIELD OPERATIONS

NO.	2	

DATE 10/3/89	HW/EF #
E.P.A. ID# 90536577  CASE NAME REMTECH (Flower O  LOCATION 170 Corma Ruc  Conda NJ	time of sampling hours  collected by: Lab (Haglyt Lan  recorded by:
CONTACT:	<u>Kowin</u>
FIELD SAMPLE NO. A Trip Blank  B  SPECIFIC SAMPLING SITE:	TYPE OF SAMPLE:  LIQUID SLUDGE  SOLID SOIL OTHER DI WOTC
☐ TANK TRAILER #   ☐ STATIONARY TANK #   ☐ HORIZONTAL ☐ VERTICAL   ☐ TOP ☐ MIDDLE   ☐ BOTTOM    OTHER	CHARACTERISTICS OF SAMPLE:  TURBID TRANSPARENT  COLOR  ODOR  OTHER  OTHER
SAMPLING CONTAINER:  GLASS	SUSPECTED SUBSTANCE(S):  Volitcle Digenics
CONTAINER VOLUME:  PINT QUART OTHER OZ./ 46 ML.  CONTAINER FILLED: YES NO  CHAIN OF CUSTODY INITIATED	ADDITIONAL INFORMATION:  4 Bollor of  40 ml. each
□ YES □ NO	

## NEW JŁ Y DEPARTMENT OF ENVIRONMENTAL P. TECTION DIVISION OF WASTE MANAGEMENT BUREAU OF FIELD OPERATIONS

NO. 3

DATE 10/3/29	HW/EF #
case name Romfoch (Flowa 0;1) LOCATION 1800 Carmer Pur Carmer US	TIME OF SAMPLING 10:25 HOURS  COLLECTED BY:  M: Lo H ( 1) ala Missie  RECORDED BY:
CONTACT:	KOSU17
FIELD SAMPLE NO. A MUH-019  B  SPECIFIC SAMPLING SITE:  DRUM # 1720. (1)2109	TYPE OF SAMPLE:  LIQUID SLUDGE  SOLID SOIL  OTHER
TANK TRAILER #	CHARACTERISTICS OF SAMPLE:  TURBID TRANSPARENT  COLOR BIOCIC  ODOR TOL  OTHER SAME Liquid
SAMPLING CONTAINER:  GLASS PLASTIC  OTHER	SUSPECTED SUBSTANCE(S):  E.P. TOX
CONTAINER VOLUME:  PINT QUART OTHER OZ./ 250 ML.  CONTAINER FILLED: YES NO  CHAIN OF CUSTODY INITIATED	ADDITIONAL INFORMATION: (For Drum Waste Petroleum Michare X728; 9/28/89  Filmus Material Appear to be included
YES NO	Stanlen Steel Scup used to sample

NEW JE. Y DEPARTMENT OF ENVIRONMENTAL PICTION DIVISION OF WASTE MANAGEMENT BUREAU OF FIELD OPERATIONS

1-9-949999-944--

NO.

DATE 10/3/09	HW/EF #
CASE NAME ROALD (FLORA O. LOCATION 1200 COMMON AUG	TIME OF SAMPLING 10:45 HOURS  COLLECTED BY: 10.70.70.70.70.70.70.70.70.70.70.70.70.70
CONTACT:	RECORDED BY: ROBUIT
FIELD SAMPLE NO. A MUH - 020	TYPE OF SAMPLE:
B  SPECIFIC SAMPLING SITE:  DRUM #	LIQUID   SLUDGE   SOLID   SOLID   SOIL   SOTHER   SOUL
TANK TRAILER #  STATIONARY TANK # LO  HORIZONTAL VERTICAL UNDERGRO  TOP MIDDLE BOTTOM  OTHER	CHARACTERISTICS OF SAMPLE:  OUND  TURBID TRANSPARENT  COLOR BOOK  ODOR  OTHER
SAMPLING CONTAINER:  GLASS   PLASTIC   OTHER	SUSPECTED SUBSTANCE(S):  Total Privily Reliviant
CONTAINER VOLUME:  PINT QUART OTHER OZ./ 9 SO ML.  CONTAINER FILLED: YES NO	ADDITIONAL INFORMATION:  Oily  Sph. Sunk w/4
CHAIN OF CUSTODY INITIATED  YES □ NO	Starler Steel Book

# NEW JE. Y DEPARTMENT OF ENVIRONMENTAL PI. ECTION DIVISION OF WASTE MANAGEMENT BUREAU OF FIELD OPERATIONS

	5
10	<u> </u>

DATE 10/3/19	W/EF #
case name Rondoch (Flyer 0,1) LOCATION CLOCK COMEN AUC CONDON UT	TIME OF SAMPLING 1275 HOURS  COLLECTED BY:  11. 11. 12. 12. 12. 12. 12. 12. 12. 12.
CONTACT:	RECORDED BY:
B  SPECIFIC SAMPLING SITE:	TYPE OF SAMPLE:  LIQUID
TANK TRAILER # STATIONARY TANK # P S	CHARACTERISTICS OF SAMPLE:  TURBID TRANSPARENT  COLOR BIOCH  ODOR  OTHER  USCOLUT
SAMPLING CONTAINER:  GLASS	SUSPECTED SUBSTANCE(S):
CONTAINER VOLUME:  PINT QUART OZ./ 950 ML.  CONTAINER FILLED: YES D NO  CHAIN OF CUSTODY INITIATED  YES D NO	additional information:  Talc * P3  Off Spec Modicil  Mixture of oil  and water

# NEW JE. Y DEPARTMENT OF ENVIRONMENTAL PLANE PROPERTY DIVISION OF WASTE MANAGEMENT BUREAU OF FIELD OPERATIONS

NO	(0:

DATE $10/3/39$ HW	//EF #
case NAME Reptects (Flower Oil) LOCATION 1200 Comen Aug Canda UT 02/00	TIME OF SAMPLING HOURS  COLLECTED BY:
CONTACT:	RECORDED BY:
FIELD SAMPLE NO. A MUH-022  B  SPECIFIC SAMPLING SITE:  DRUM #	TYPE OF SAMPLE:  LIQUID SLUDGE  SOLID SOIL  OTHER  CHARACTERISTICS OF SAMPLE:  TURBID TRANSPARENT  COLOR LEAD - 5/ 1///  ODOR  OTHER  Hot Appear
SAMPLING CONTAINER:  GLASS   PLASTIC    OTHER   QUART    PINT   QUART    OTHER   OZ./ S. ML.  CONTAINER FILLED:   YES   NO	SUSPECTED SUBSTANCE(S):  Tital Metals  Additional information:  X-726 Worte Water  France (Sing)
CHAIN OF CUSTODY INITIATED  YES □ NO	

REFERENCE NO. 38

### FISHER and SAMPSON

CIVIL ENGINEERS & LAND SURVEYORS
929 N. KING'S HIGHWAY (AT CHELTEN PARKWAY)
CHERRY HILL, N. J. 08034

THOMAS A. M. FISHER N.J.P.E. & L.S. PA. P.E. N.Y. P.E. OEL. P.E. ALFRED B. SAMPSON N.J.L.S. THOMAS E. DAVIS N.J.L.S.

TELEPHONE (609) 667-1100

ENVIRONMENTAL IMPACT STATEMENT

FOR

FLOWEN OIL DELAWARE VALLEY

1800 CARMAN STREET

CAMDEN, NEW JERSEY

Re: FS 8471 02-10-10

Dated: '20 March, 1981

697

Que se

ENVIRONMENT IMPACT STATEMENT FOR FLOWEN OIL DELAWARE VALLEY, 1800 CARMEN STREET, CAMDEN NEW JERSEY.

#### OBJECT

The object of this report is to provide an Environmental Impact Statement for the Special Waste Facilities to be provided at the Flowen Oil site in Camden, New Jersey.

#### **PROCEDURE**

The procedure to be used here is to recycle used hydrocarbon oil to provide a burnable low sulfur product similar to number 2 or 4 fuel oil for industrial consumers. The process uses steam heat, filters and centrifuges. The process is entirely mechanical. There is no chemical reaction and there are no chemical additives. Hereinafter, the ptential impact of construction and operation of the special waste facilties is discussed in relation to the following various items.

AIR QUALITY, WITHIN AND AROUND THE FACILITY, INCLUDING POTENTIAL DUST AND ODOR EMISSION

- A. The quality of the air around the facility will be reduced. The boiler will develop 3000 pounds of steam per hour at 212°F, and will consume 25 gallons of flowen oil per hour producing about 2.5 million BTU per hour. Stack has terperature is estimated at 1100°F. Solids emission is estimated at 0.95 pounds per hour or 111 milligrams per cubic meter at 1139°F. The storage tanks will be vented to the atmosphere and will discharge at 25 CFM at a temperature of 20°F, plus or minus, the ambient temperature.
- B. Surface and ground water quality will not be decreased. The entire plant will be covered with a concrete slab and surrounded by a perimeter bund and fence. The three (3) interior oil storage areas will also be surrounded by a bundproviding sufficient volume for the largest tank-plus 20 percent. Oils spilled or leased in the bunded containment area will be removed manually by portable pump. No direct connection to the storm system will be constructed from the area within the bund. Storm water falling without the bunded area, but inside the perimeter wall will be conducted through an interceptor and oil separator. When oil is observed in the downstream tanks, the upstream tanks will be pumped out.

#### WASTE PRODUCTS

The process will generate waste products. These will include

water, oil and non toxic sludge. Liquid wastes will be stored it tanks within the bund. Liquid waste will also be discharged through the sanitary sewer. This waste is expected to have a maximum C.O.D. of 940 m.g. per liter, an average daily C.O.D. of 245 m.g. per liter. The quantity is estimated at 1,200 gallons per day.

It is estimated that the process will generate one ton of solid waste per week. This will be stored in an exterior covered container. It will be removed weekly by a licenses scavenger contractor.

#### DOMESTIC WASTE

The employees will generate domestic waste estimated at 25 gallons per person per day or 200 gallons per day. This will be disposed of through the sanitary sewers leading from the administration building and mess room.

#### WATER SUPPLY, HYDROLOGY, GEOLOGY AND SOILS

Water supply, hydrology, geology and soils will have minimum changes since the construction involves tanks on a concrete slab with a bund, and the operation involves spill containment and separation of oil.

#### TOPOGRAPHY, VEGETATION, WILDLIFE, AQUATIC ORGANISMS AND ECOLOGY

Topography, vegetation, wildlife, aquatic organisms and the ecology will have minimum change. The 1888 Topography by C. C. Vermeule shows the area to border a marsh of the Cooper River.

The Engineering Soil Survey of New Jersey - Report 17 - Camden County 1955, classifies the land as AM24 - ig. These are unconsolidated statified alluvial deposits with interbedded silt, silty sand and clayey sand and gravel. The material is poorly sorted with fines distributed throughout the profile. Underlying formations lie close to the surface in many placed.

The drainage conditions are imperfect to good. Internal drainage is somewhat retarded by the percentage of fines. From 16 to 58 percent will pass the 200 sieve. The Highway Research Board Classification is A-2-4 or A-4. The depth to bedrock is in excess of 100 feet. The vegetation is uncultivated and noxious weeds, and the wildlife consists of a few birds.

There are no aquatic organism known to be on the site. The nearest water course is Cooper River about 1500 feet to the south.

#### DEMOGRAPHIC CONDITIONS

Demographic conditions are static. The land has never been

developed except for Carman Street. The other bounding streets are dedicated, but not physically open. The bounding properties are industrial with the R. M. Hollingshed Chemical Plant and other chemical plants to the west and small steel fabricators, and building suppliers to the north. The adjacent land on the south and east is unimproved, level, vacant with high grasses and noxious weeds.

#### AUTO TRAFFIC PATTERNS

Auto traffic patterns will increase. Two hundred (200) vehicle trips per day will be generated. These will use Federal Street, Carman Street, 18th Street and Admiral Wilson Boulevard.

Pedestrial traffic patterns will be increased by less than 100 trips per day. These will involve employees and a few visitors. There is little pedestrial activity on Carman Street or 18th Street.

#### AMBIENT NOISE ENVIRONMENT

Ambient noise environment will be increased by the noise from the trucks and pedestrians. This noise will be intermittent and will not exceed 200 vehicles or 100 pedestrians per day. Some small noise will be created by the stack gases, however, this will be minimal. Some small noise will be created by pumps and centrifuges within the process building. However, the estimated DB level at 100 feet is 50.

#### VISUAL AND QUALITATIVE AESTHETICS

The construction phase will consist of clearing, grading, a slab on ground, concrete perimeter walls and drain lines.

Three (3) prefabricated one story buildings (largest 50 x 50) will be placed on the slab, together with 310,000 gallons of storage in 15,000 and 25,000 gallon tanks. The tank will be surrounded by a bund containment wall. The tanks will not exceed 15 feet in diameter or 30 feet in height and will be of painted steel construction.

The collection of a raw product (used lubricating oil) from the surrounding area (50 miles) and the consumption of this oil by industry to provide energy (after processing) will be a benefit to the environment. This process has been in use in the United Kingdom for five years after having been developed by a company operating in this business for over twenty years.

#### HISTORICAL AND ARCHEOLOGICAL RESOURCES

The site is level, and consists of fill. Test borings by Site Engineers, Voorhees Township, New Jersey, on 10 November, 1980, indicate 9 to 14 feet of fill on the site. We feel no significant

archeological or historical resources will be recovered from the site due to the fill material.

### LISTING OF ADVERSE IMPACTS WHICH CANNOT BE AVOIDED BY FACILITY CONSTRUCTION OR OPERATION

- 1. Removal of existing foliage and habitat for wildlife.
- 2. Increased stack emissions.
- 3. Increased vehicular and pedestrial traffic.
- 4. Increased noise.
- 5. Increased oil spills.
- 6. Increased runoff.
- 7. Increased sanitary sewerage.

### ADVERSE IMPACTS ON THE ENVIRONMENT WILL BE MINIMIZED DURING CONSTRUCTION AND OPERATION BY THE FOLLOWING

- 1. Paving of the site with a concrete slab.
- 2. Construction of bund containment walls around the storage tanks.
- 3. Construction of a curb around the perimeter of the site.
- 4. Instigation of a spill prevention and containment program.
- 5. Construction of trench drains, interceptor devices and oil separators.
- 6. Use of a portable pump to remove spills.
- 7. Provisions of am employees lunch room and dressing room.

#### LIST OF PERTINENT PUBLISHED INFORMATION

- 1. Flowen copyright by Waste Lubricating Oils Limited 1979.
- 2. U.S. Quadrangle Sheet Camden 1949.

3. Engineering Soil Survey of N.J. Report 17, 1955.

Thomas A. M. Fisher

N.J.P.E. #7113

Dated: 20 March, 1981

REFERENCE NO. 39



# State of New Jersey

## DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF ENVIRONMENTAL QUALITY
SOLID WASTE ADMINISTRATION
32 EAST HANOVER STREET, TRENTON, N. J. 98625

JACK STANTON DIRECTOR CERTIFICATE OF APPROVED REGISTRATION
AND ENGINEERING DESIGN APPROVAL

LING F. PEREIRA ADMINISTRATOR SOLID WASTE MANAGEMENT

Under the provisions of N.J.S.A. 13:1E-1 et seq. known as the Solid Waste Management Act, this registration is hereby issued to:

Flowen Oils Delaware Valley, Inc. Carman Street Camden, NJ

for the purpose of operating a	Waste Oil Recycling Plant
on Lot No.	
Block No.	1431
in the municipality of	Camden
county	Camden
under Facility Registration No.	6408A

This approval is subject to compliance with all conditions specified herein and all regulations promulgated by the Department of Environmental Protection.

This approval shall not prejudice any claim the State may have to Riparian land nor does it permit the registrant to fill or alter, or allow to be filled or altered, in any way, lands that are deemed to be Riparian, Wetlands, stream encroachment or flood plains, or within the Coastal Area Facility Review Act (CAFRA) zone or allow the discharge of pollutants to waters of this State without first acquiring the necessary grants; permits or approvals from the Department of Environmental Protection or the U.S. Environmental Protection Agency.

	June	10,	1981	$\mathcal{L}$
DATE				

LINO F. PEREIRA - ADMINISTRATOR
SOLID WASTE ADMINISTRA

June 10, 1986 EXPIRATION DATE SOLID WASTE ADMINISTRATION

705



Certificate of Approved Registration and Engineering Design Approval (hereinafter referred to as "permit") for Flowen Oils Delaware Valley, Inc., City of Camden, Camden County.

This Permit along with the Referenced Engineering Plans and Report, herein specified, shall constitute the sole Registration and Engineering Design Approval for the construction and operation of the Flowen Oils Delaware Valley, Inc., City of Camden, Camden County. Any Registration or Approval previously issued by the Solid Waste Administration or its predecessor agencies is hereby superseded.

The Permit is conditioned upon compliance with and implementation of the following:

## 1. Duty to comply

The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Solid Waste Management Act and is grounds for enforcement action; for permit termination, revocation, and reissuance, or modification; or for denial of a permit renewal application.

## 2. Duty to reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit.

## 3. Duty to halt or reduce activity

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

# 4. Duty to mitigate

The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit.

# 5. Proper operation and maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process



controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of the permit.

## 6. Permit Actions

This permit may be modified, revoked, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

## 7. Property rights

This permit does not convey any property rights of any sort, or any exclusive privilege.

## 8. Duty to provide information

The permittee shall furnish to the Administrator, within a reasonable time, any information which the Administrator may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the Administrator, upon request, copies of records required to be kept by this permit.

## 9. Inspection and entry

The permittee, by acceptance of this permit, hereby agrees to allow the Commissioner, his or her employees, agents, representatives, or consultants to enter upon the permittee's premises where a regulated facility or activity is or may be located or conducted, or where records must be kept under the conditions of this permit for the purposes of inspection, sampling, copying, or photographing to insure compliance with any condition of this permit and/or Title 7, Chapter 26 of the New Jersey Administrative Code, and/or N.J.S.A. 13:1E-1 et seq., the New Jersey Solid Waste Management Act.

# 10. Monitoring and records

(a) Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.



- (b) The permit be shall retain records of 11 monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the sample, measurement, report or application. This period may be extended by request of the Administrator at any time.
- (c) Records of monitoring information shall include:
  - (i) the date, exact place, and time of sampling or measurements;
  - (ii) the individual(s) who performed the sampling or measurements;
  - (iii) the date(s) analyses were performed;
    - (iv) the individual(s) who performed the analyses;
    - (v) the analytical techniques or methods used; and
    - (vi) the results of such analyses.

## 11. Signatory requirement

All applications, reports, or information submitted to the Administrator shall be signed and certified.

## 12. Reporting requirements

- (a) For a new hazardous waste management facility, the permittee may not commence treatment, storage, or disposal of hazardous waste; and for a facility being modified the permittee may not treat, store, or dispose of hazardous waste in the modified portion of the facility, until:
  - (i) the permittee has submitted to the Administrator by certified mail or hand delivery a letter signed by the permittee and a registered professional engineer stating that the facility has been constructed or modified in compliance with the permit; (see Paragraph 13); or
  - (ii) the Administrator has inspected the modified or newly constructed facility and finds it is in compliance with the conditions of the permit; or

- (iii) within 15 days of the date of submission of the letter in paragraph 12(a)(i) of this section, the permittee has not received notice from the Administrator of his or her intent to inspect, prior inspection is waived and the permittee may commence treatment, storage, or disposal of hazardous waste.
- (b) Planned changes. The permittee shall give notice to the Administrator as soon as possible of any planned physical alterations or additions to the permitted facility.
- (c) Anticipated noncompliance. The permittee shall give advance notice to the Administrator of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (d) Transfers. This permit is not transferable to any person except after notice to the Administrator. The Administrator may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary under the Act. In some cases, modification or revocation and reissuance is mandatory.
- (e) Monitoring reports. Monitoring results shall be reported at the intervals specified elsewhere in this permit.
- (f) Compliance schedules. Reports of compliance or non-compliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.
- Discharge reporting. The permittee shall report any (g) noncompliance which may endanger health or the environment, including any unauthorized discharge of pollutants into the soil, sewer system, surface water, or ambient air. Any information shall be provided orally as soon as the permittee becomes aware of the circumstances by calling (609)292-5560 during business hours or (609) 292-7172 at all other times or if no contact can be made at the first number. The permittee shall report the type of substance and the amount discharged and any other information the Department may require. A written submission shall also be provided within 14 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact

dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurence of the noncompliance and an implementation schedule for undertaking the suggested measures.

- (h) Other noncompliance. The permittee shall report all instances of noncompliance not reported under paragraphs (b), (e), (f), and (g) of this section, at the time monitoring reports are submitted. The reports shall contain the information listed in paragraph 12(g) of this section.
- (i) Other information. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Administrator, it shall promptly submit such facts or information.

# 13. Referenced Engineering Plans and Reports

The construction of the facility shall be in accordance with Title 7, Chapter 26 of the New Jersey Administrative Code and the following submission:

- (a) Flowen Oils Delaware Valley, Application for Solid Waste Permit: dated November 12, 1981; signed by Joseph Forte, Jr.
- (b) Flowen Oils Delaware Valley, First Supplement to Application for Solid Waste Permit received March 27, 1981 signed by Joseph Forte, Jr.
- (c) Engineering designs and narrative prepared and sealed by Thomas A. M. Fisher, N.J.P.E. License No. 7113; various dates.

# 14. Permitted Waste Types

The permittee will accept for processing only waste lubricating oils which come from equipment such as automobile crankcases, truck and bus crankcases, industrial gear boxes, oil from bearing lubrication, oil from industrial hydraulic systems and oils used in metal cutting machine shops.

# 15. Waste Analysis and Quality Control

(a) The facility must maintain onsite a readily accessible detailed typewritten description (i.e. laboratory analyses) of all incoming waste types including the limits or concentrations. The facility must receive prior to receipt of each waste shipment and maintain



for inspection, validation by the generator that the waste is in conformance with this detailed description. The facility is responsible for the validity of the description.

- (b) Prior to commencing operation of the facility, a waste analysis plan shall be submitted to the Bureau of Hazardous Waste for approval. This plan shall include:
  - (i) The parameters for which each hazardous waste stream will be analyzed and the rationale for the selection of these parameters;
  - (ii) The test methods which will be used to test for these parameters;
  - (iii) The sampling method which will be used to obtain a representative sample of the waste to be analyzed;
    - (iv) The frequency with which the initial analysis of the waste will be reviewed or repeated to ensure that the analysis is accurate and up-to-date; and
    - (v) For off-site facilities, the waste analysis that hazardous waste generators have agreed to supply.

The plan should provide that at a minimum this analysis shall contain all the information which must be known to treat, store, or dispose of the waste.

The plan should also provide that the analysis shall be repeated as necessary to insure that it is accurate and upto-date. At a minimum, the analysis must be repeated when the owner or operator is notified, or knows or should know, that the process or operation generating the hazardous waste has changed.

## \*16.★ Sewer Monitoring

Prior to operation, the permittee shall construct a system to monitor and analyze any discharge to the sewer system. This system must be constructed and operated in accordance with a plan approved by the Bureau.

# 17. Fire Fighting and Inspection

An adequate water supply and/or fire fighting equipment must be readily available. Fire fighting procedures must be conspicously displayed.

Fire drills are to be conducted at least twice a <u>year</u>. These drills are to be coordinated with the local fire fighting authority. The facility must notify the Bureau of Hazardous Waste at least <u>forty-eight (48) hours</u> prior to any drills.

## 18. Inspections and Records

- (a) The permittee must perform daily a site inspection of the facility. All tanks, pipes, valves, and other structural components, etc. are to be checked for indications of structural failure, corrosion, leakage, and mechanical failure.
- (b) A written daily log of conditions found and the steps taken to correct the conditions are to be kept on-site. Typewritten duplicates of these logs must be maintained on file and must be supplied to Department representatives upon request.
- (c) A monthly summary of these daily inspections must be submitted to the Bureau of Hazardous Waste within seven days after the end of each month.
- (d) All records prepared in accordance with this approval shall be retained for at least three (3) years.

## 19. Personnel

The permittee shall submit prior to commencing operation, a comprehensive list of all personnel and their particular function along with their qualifications (include experience, education, and copies of any required licenses to operate facility equipment). An up-to-date list shall be submitted on a semiannual basis.

# 20. Posting of Notice

The attached notice concerning civil and criminal penalties for illegal disposal of a hazardous waste must be conspicuously posted and available for all employees to read.

# 21. Plans on-site

One complete set of all engineering 'composition which have been submitted a narrative description of the operation of the facility, a facility layout drawing, this Certificate of Approved Registration and Engineering Design Approval and such other plans as may be required persuant to this permit shall be kept on-site and shall be available for inspection by representatives of the Department.

## 22. Closure Plan

5 - E. 3 - F.

The permittee must submit to the Bureau of Mazardous Waste prior to commencing operations, a facility closure plan for its approval. The closure plan must include:

(a) A detailed description on how the facility will\_be closed;



- (b) A description of possible uses for the land after closure; and
- (c) The estimated time required for the completion of closure.

The closure plan to be approved by the Bureau must, at a minimum, provide for:

- (a) The removal of all hazardous waste from the facility within 90 days after termination of operations.
- (b) The completion of closure in one year or less from the termination of operations unless a longer period is specifically authorized by the Bureau.
- (c) Proper disposal or decontamination of all equipment used either in the operation of the facility or the closure process.
- (d) Such other terms, conditions, or restrictions the Bureau may require to insure that humans or animal life do not come into contact with hazardous waste or its constituents and that unauthorized discharges of pollutants onto or into the lands, water or air of this state do not occur.

## 23. Residue Disposal

· · · · · ·

The permittee shall, prior to commencing operation, submit to the Bureau the names and locations of the facilities intended for disposal of sludges and residues resulting from the facility's operations.

## 24. Drum Storage

Acceptance and/or storage of drums at this facility is not permitted without prior written authorization by the Bureau of Hazardous Waste.

## 25. Air Pollution Control

The facility must obtain all necessary permits and comply with all applicable Rules and Regulations of the Bureau of Air Pollution Control, Title 7, Chapter 27 of the New Jersey Administrative Code.

## 26. Solid and Hazardous Waste Regulations

The permittee shall comply with each of the applicable requirements specified in Title 7, Chapter 26 of the New Jersey Administrative Code, Rules of the Solid Waste Administration.

REFERENCE NO. 40

# REMTECH ENVIRONMENTAL GROUP, INC.

January 2, 1989

State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
401 East State Street
CN028
Trenton, NJ 08625-0028

Attention: Mr. Ernest J. Kuhlwein, Jr., Chief

Bureau of Hazardous Waste Engineering

Reference: Response to Notice of Deficiency dated 11/1/88

Flowen Oil Facility, Camden, NJ

EPA ID No. NJD980536577

Dear Mr. Kuhlwein:

REMTECH Environmental (N.J.) L.P. has prepared this submittal in response to the written Technical Notice of Deficiency dated November 1, 1988. REMTECH entered into an interim management agreement with the owners and operators of Flowen Oil Delaware Valley Inc. (FODV) order to begin clean up and improvements at the facility during revision our A-901 disclosure statements.

We have endeavored to respond to your specific concerns as described in the Notice of Deficiency without drastically modifying FODV's prior submittal. As we have previously discussed, while the information submitted by FODV to NJDEP has been factual, it has not been structured into a cohesive document. Recognizing the difficulty associated with sorting through the prior submittals, we request an opportunity to consolidate, update and/or re-write where necessary, the appropriate submittals comprising FODV's current Part B application. The end result will be a comprehensive, organized document addressing all of the requirements of a Part B application.

We feel that the re-organization of FODV's Part B application would benefit all parties concerned and we are prepared to submit a completely revised application within (90) ninety days of receiving approval from your bureau. Please advise accordingly.

What follows is an itemized response to each comment received with the Notice of Deficiency. Subsequent to these responses, we have raised a few unrelated issues for your comment and direction.

1800 Carman Street Camden, New Jersey 08105 (609) 365-5544 FAX (609) 365-0801

# Response to Notice of Deficiency, dated November 1, 1988

#### !tem 1:

This item requests; 1) an updated process flow description, 2) an updated process flow diagram and 3) a detailed list of all process equipment identifying quantity, size, capacity and material of construction.

## Process Flow Description:

Attachment 1 is an updated description of the general treatment capabilities of the facility, an operational categorization of waste types received by the facility, and a description of the treatment process and equipment/processes used at the facility.

## Process Flow Diagram:

Incorporated within Attachment 1, Process Flow Description, is a Process Flow Schematic (Drawing H) and seven additional drawings (Drawing A-G) describing each process system.

#### Equipment List:

Section 3 of Attachment 1 describes and lists each major piece of equipment complete with quantity, size, capacity and material construction.

#### Item 2:

This item requests the submittal of a checklist to be used during the monthly inspection of emergency equipment. Identification of minimum inventory levels of equipment and supplies is also requested.

A <u>Monthly Inspection Record</u> for emergency equipment has been created and is attached as Attachment 2. This document will be used as a check list and includes minimum quantities of emergency supplies and equipment. The following changes have been made to the FODV Contingency Plan:

- Add Monthly Inspection Record (Attachment 2) to Table of Contents as Appendix D.
- Replace section 1.7 Emergency Equipment, with the following:

#### 1.7 <u>Emergency Equipment</u>

Management maintains the facility in compliance with the rules and regulations specified in Chapter 7:26-9-7 et. seq. With regard to preparedness and prevention, the following emergency response equipment is maintained at the facility. A monthly inspection of this equipment is carried out. A record of each inspection will be made (See Appendix D), and maintained at the facility for a minimum of (3) years.

 Replace section 1.7.3 Spill Control Equipment and 1.7.4 Personnel Protective Equipment with the following:

#### 1.7.3 Spill Control Equipment

The following spill control equipment is available on site:

- Empty open-head drums Minimum of 10 drums.
- 2. Shovels

. **1** 

- 3. 40 Lb. bags of industrial absorbent. Minimum of 10 bags.
- 4. Portable 2" centrifugal pump
- 5. (2) 5,000 Gallon tanker trucks.
- 6. 3" air operated diaphragm pump.

## 1.7.4 Personal Protective Equipment

The following stock of protective equipment is maintained at the facility for use by personnel during an emergency:

- 1. Eye Protection -
  - Neutralizing eyewash solution (2)
  - Neutralizing eyewash stations (2)

r Have

- 2. Gloves -
  - Laboratory latex gloves (2 boxes)
  - Oil resistant work gloves (12 pairs)
- 3. Miscellaneous -
  - Acid resistant aprons (1)
  - Flash light (6)

All emergency equipment is inspected on a monthly basis to insure materials are stocked and in proper working order.

#### Item 3:

Flowen/REMTECH has made arrangements with Clean Venture, Inc., located in Swedesboro, NJ for emergency response services. Clean Venture has extensive experience in responding to petroleum and hazardous material emergencies. A copy of an agreement between Clean Venture and Flowen/REMTECH is attached as Attachment 3.

#### Item 4:

This item requires the modification of Flowen's Closure Plan to include inspection and possible decontamination of the secondary containment system and process house. A revised and updated Plan and Closure Cost Estimate is attached as Attachment 4. All additions have been indicated by an asterisk (\*) in the left hand margin.

#### <u>Item 5:</u>

The facility's training program has been modified to include a statement that training records on current personnel will be kept until closure of the facility and records on former employees will be kept for a minimum of three (3) years from the date the employee last worked at the facility. Page one (1) and two (2) of FODV's Training Program for Facility Personnel has been revised to include these statements and are attached as Attachment 5.

A reference to the semi-annual fire drill requirement per NJAC 7:26-9.4 (g) 8 has also been included in the revised training program.

#### Item 6 and 8:

Both of these items identify numerous deficiencies in FODV's Waste Analysis Plan. We have revised and attached the Waste Analysis Plan submitted on July 29. 1988 as Attachment 6. Each page that has been modified has been dated in the upper right hand corner and the specific line(s) containing the revision has a Revision notation in the left margin.

#### Item 7:

An explanation of the difference and significance between on-spec and off-spec used oil fuel is required under this item number. The following is an explanation. Also see revised pages 15 and 15A of the Waste Analysis Plan - Attachment #6.

Under 40 CFR Part 260 et seq, used oil (including recycled oil) burned for energy recovery is termed "used oil fuel" and is subject to regulation. This regulation controls the ultimate destination of used oil fuel according to the level of contaminants contained in the oil. These categories exist within this regulation which are defined as follows:

- a) Specification Used Oil Fuel
- b) Off-Specification Used Oil Fuel
- c) Hazardous Waste Oil Fuel

The following table illustrates the allowable levels associated with Specification Used Oil Fuel:

CONSTITUENT/PROPERTY	1	ALLOWABLE LEVEL
<b>A</b> = •	;	
Arsenic	;	5 ppm maximum
Cadmium	;	2 ppm maximum
Chromium	:	10 ppm maximum
Lead	1	100 ppm maximum
Flash Point	;	100 F minimum
Total Halogens	;	4000 ppm maximum*

Used oil containing more than 1000 ppm total halogens is presumed to be a hazardous waste under the rebuttable presumption provided in 40 CFR 266.40 (c). Such used oil is subject to 40 CFR Part 266 Subpart D (Hazardous Waste burned for energy recovery) unless the presumption of mixing can be successfully rebutted.

#### In summary therefore:

- 1) Used oil fuel is considered to be specification if all the contaminants or properties in the above table are met, with the exception of total halogens which must not exceed 1000 ppm, or 4000 ppm if analysis shows no mixing with hazardous waste, or rebuttable presumption is successful.
- 2) Used oil fuel is considered to be "off-specification" if the criteria in the above table are not met, with the same criteria for total halogens as in paragraph 1) above.
- 3) Used oil fuel is considered to be "hazardous" if oil is known by source or by analysis to have been mixed with hazardous waste.

Other analytical procedures may also be required by individual clients, e.g. sulfur to meet local emission standards.

At this time we would like to raise several issues unrelated to the Notice of Deficiency response. During the past 10 weeks, REMTECH has re-evaluated several aspects of the facility's operating systems and as a result would like to propose some improvements.

#### Replacement of Tank #5:

We have ordered a replacement tank of the same design, specifications and from the same manufacturer to replace Tank #5 which was damaged and taken out of service several years ago. Tank #5 had originally been included in FODV's original application submittals to NJDEP. We have updated the Closure Cost Estimate to include this replacement and we believe most of the drawings on file with NJDEP still show Tank #5 as being intact and in use. What additional changes to prior submittals or new information will be necessary before we complete the installation of this tank?

## Installation of New Product Tanks:

At the present time the facility has four (4) 25,000 gallon product storage tanks (P1, P2, P3 and P4). The secondary containment structure (concrete tank dike) was originally designed and constructed with significant excess capacity. We are considering the installation of two (2) additional 20,000 gallon storage tanks (P5 and P6) in this containment area. What submittals will your bureau require prior to installation?

Since the design specifications of Tanks P1 through P4 and the secondary containment system meet or exceed the requirements for waste storage tanks, we are considering the possibility of re-designating these tanks from product storage only to product and/or waste storage. What additional information would be needed by your bureau to accomplish a re-designation?

#### Emergency Cut-Off Valve:

As a result of discussions with the CCMUA, Flowen/REMTECH has agreed to install an emergency cut-off valve at the final point of discharge from the facility. This valve will be installed in the sampling manway located adjacent to the Laboratory building (see Attachment 7, Drawing I, <u>Discharge Emergency Shutdown System.</u>)

The valve will be a 10" Jamesbury Wafer Valve with an explosion proof, 110 Volt, remote motor operator. The detector will be an Oil Alarm Sentry, Model 200XP as built by Biospherics Inc. with a reporting range from 2ppm to 1000ppm petroleum hydrocarbons. The detector setpoint will be 15 ppm. This setting will ensure that the Camden County MUA discharge requirements as set out in the facilitys' sewer discharge permit will not be exceeded.

We request that this installation be considered as a replacement f the proposed AFL/Clark Oil Stop Valve to be mounted in the o interceptors as described in FODV'S <u>Accidental Oil Discharge</u> <u>Prevention Plan</u> submitted December 1, 1986.

We believe that the motor operated cut-off valve and the Oil Alarm Sentry detector is a superior method of protection. Please advise as to acceptability of this substitution. If acceptable, we will revise and submit the facility's <u>Discharge Prevention Plan</u> accordingly.

#### High/Low Level Alarms:

REMTECH has undertaken an extensive tank cleaning and tank retrofitting project at the facility since our involvement began on October
17, 1988. This project involves; identification and removal of all
existing waste inventory, cleaning and gas-freeing of each tank, and
modification of each tank's support features. Some of the tank
modifications planned include; high/low level alarms, double bank
valves, new valves (3" full port ball valves), gauging system, raising
suction line above precipitation level and installation of access
ladders and walkways.

The tank retro-fitting project is proceeding on schedule, however, due to the significant amount of improvements being installed, we request an extension beyond the completion date referenced in FODV's <u>Proposal To Install High-level Alarm and Feed Cut-off</u> submitted to NJDEP in September/October, 1986.

We are committed to upgrading the facility and installing High/Low level alarms in all of the tanks. We will be making modifications to each of the tanks as they are cleaned and gas-freed. We anticipate that the entire tank retro-fitting project will be completed by October, 1989.

#### Acceptable Waste Codes:

There is an increasing tendency amongst petroleum waste generators to request shipment of petroleum waste material into our facility under 4 federal waste codes. These codes are:

- K048 Dissolved air flotation (DAF) float from the petroleum refining industry
- K049 Slop oil emulsion solids from the petroleum industry
- K050 Heat exchanger bundle cleaning sludge from the petroleum refining industry
- K051 API separator sludge from the petroleum refining industry

All of these waste are characteristically similar to the wastes typically identified by New Jersey Hazardous Waste Numbers X721 through X728. In order to accommodate these petroleum waste generators, we request the addition of these four waste codes into our draft permit as acceptable wastes.

Another re-occurring situation involves generators of a liquid petroleum hydrocarbon waste stream with a flash point less than 140 F but greater than 100 F. These generators would prefer manifesting this material to our facility under D001 code rather than an X code. We would like to pursue the "qualified" or "limited" addition of D001 as an acceptable waste stream only if the materials flash point was greater than 100 F and it was a waste stream containing petroleum hydrocarbons.

Please advise as to modifications necessary in order to add these five (5) waste codes to our permit. Should there be any questions or clarifications necessary, do not hesitate to contact either myself or Mr. Archie Ross at 609-365-5544.

Very truly yours,

Tac Fach

Paul L. Fleischmann Vice-President

N.O.D Response, January 2, 1989

#### LIST OF ATTACHMENTS

#### Attachment 1: Process Flow Description

## Drawings:

- A: Waste Receiving & Tank Storage System
- B: Oil/Water Separator System
- C: Ultrafiltration System
- D: Solid Bowl Centrifuge System
- E: Emulsion Breaking System
- F: Filtration and High Speed Centrifuging System
- G: Heating Loop System
- H: Process Flow Schematic
- Attachment 2: Monthly Inspection Record
- Attachment 3: Emergency Response Agreement
- Attachment 4: Closure Plan and Closure Cost Estimate
- Attachment 5: Replacement Pages for FODV's Training Program
- Attachment 6: Waste Analysis Plan, Revised January 2, 1989
- Attachment 7: Drawing I, Discharge Emergency Shutdown System



January 2, 1989

#### Attachment 1

## PROCESS FLOW DESCRIPTION

Flowen/REMTECH Facility 1800 Carman Street Camden, NJ 08105

NJD 980 536 577

722



#### PROCESS FLOW DESCRIPTION

## 1. General Description of Treatment Capabilities

The treatment methods utilized at the Facility employ several physical and chemical processes to separate oil containing waste streams into their component parts. These materials, primarily oil, sludge (sediment) and water are then disposed of by various appropriate approved methods to to be discussed further in this submittal.

The process used at the Facility are able to separate liquid waste streams as described by the N.J. Waste Codes X721 through X728, and federal codes K048 through K051

NJ Hazardous <u>Waste Number</u>	Hazardous Waste
1. X721	Waste automotive crankcase and lubricating oils from automotive service and gasoline stations, truck terminals, and garages
2. X722	Waste oil and bottom sludge generated from tank cleanouts from residential/commercial fuel oil tanks
3. X723	Waste oil and bottom sludge generated by gasoline stations when gasoline and oil tanks are tested, cleaned or replaced
4. X724	Waste petroleum oil generated when tank trucks or other vehicles or mobile vessels are cleaned, including, but not limited to, oily ballast water from product transport units of boats, barges, ships or other vessels.
5. X725	Oil spill cleanup residue which: A. is contaminated beyond saturation; or B. the generator fails to demonstrate that the spill material was not one of the listed hazardous waste oils
6. X726	The following used and unused waste oils: metal working oils; turbine lubricating oils; diesel lubricating oils; and quenching oils
7. X727	Waste oil from the draining, cleaning

or disposal of electric transformers

1.7 :

8.	X728	Bottom sludge generated from the processing, blending, and treatment of waste oil in waste oil processing facilities
9.	KØ48	Dissolvved air flotation (DAF) float from the petroleum refining industry
10.	K <b>049</b>	Slop oil emulsion solids from the petroleum refining industry.
11.	K050	Heat exchanger bundle cleaning sludge from the petroleum refining industry
12.	K051	API separator sludge from the petroleum refining industry

#### 2. Operational Categorization of Waste Streams

The facility is capable of accepting and treating a wide variety of waste streams with varying concentrations of oil, sediment (sludge) and water.

In order to identify the treatment processes to which these varying wastes will be directed, they have been divided into the following categories:

- A) Aqueous Wastes Those containing less than 10% oil and less than 2% sediment.
- B) High Sediment Oil Wastes Those containing more than 3% sediment and more than 10% oil.
- C) Low Sediment Oil Wastes Those containing less than 3% sediment and more than 10% oil.
- D) <u>High Sediment Halogenated Oil Wastes</u> Those containing more than 4000 ppm halogens, more than 10% oil and more than 3% sediment.
- E) Low Sediment Halogenated Oil Wastes Those containing more than 4000 ppm halogens, more than 10% oil and less than 3% sediment.

The following chart summarizes the various operational categories assigned to incoming waste streams:

Operational	Oil	Water	Sediment :	Halogen ;
Category	: Content	Content :	Content :	Content :
A) Aqueous Waste	<10%	87-99%	<3% ;	N/A ;
B) High Sediment Oil Wastes	>10%	0-87%	> <b>3%</b>	<4000 ppm;
C) Low Sediment Oil Wastes	>10%	0-90%	<3%	<4000 ppm;
D) High Sediment Halogenated Oil Wastes	; ; ; >10%	0-87%	>3%	>4000 ppm:
E) Low Sediment Halogenated Oil Wastes	: : : >10%	0-90%	<3%	; ; >4000 ppm;

An operational category and a corresponding treatment method is determined for each waste stream during the waste acceptance procedure prior to the material actually arriving at the facility. Upon arrival at the facility the waste material's characteristics are checked and the operational category/treatment method is confirmed.

Subsequent to confirming the proper treatment for each incoming waste stream, the material is off loaded through a receiving tank and is transferred into one of the the seventeen (17) 15,000 gallon waste storage tanks (Drawing A).

## 3. <u>Description of Treatment and Processes Equipment</u>

The Flowen/REMTECH facility utilizes the following equipment to transfer, treat and/or store oil contaminated waste streams:

-	Waste Receiving & Tank Storage System	(Drawing	A)
	Oil/Water Separator System	(Drawing	
-	Ultrafiltration System	(Drawing	C)
-	Solid Bowl Centrifuge System	(Drawing	D)
-	Emulsion Breaking System	(Drawing	E)
-	Filtration and High Speed Centrifuging	_	
	System	(Drawing	F)
-	Heating Loop System	(Drawing	G)

PROCESS FLOW DESCRIPTION PAGE 4

January 2, 1989

The specific flow of waste material through the facility and the sequence of treatment processes to be employed will be dependent on the waste materials physical characteristics and/for contaminants. A Process Flow Schematic is attached as Drawing H.

Listed below is a description of each major piece of equipment grouped under the process system which it functions.

#### WASTE RECEIVING AND TANK STORAGE SYSTEM

Refer to Attached Drawing A

#### Equipment List, A

- Name:

Receiving Tank

Description:

Carbon Steel Open Top Tank, 5'6" x 4'W x 4'High with 3/8" bar filter screen to remove larger debris. Trucks unload by gravity into these tanks.

Quantity:

Size:

600 Gallons

Material of

Construction:

Carbon Steel

Capacity:

N/A

- Name:

Yard Pumps

Description:

Mono MD80 P.D. pumps which can move waste

material from:

- a) Receiving tank to tanks A, B. 1-12
- b) From any tanks listed above to any tanks listed above.
- c) From any tank listed above to receiving tank at oil/water separator.
- d) From any tank listed above to load tank trucks.

Quantity:

Size:

80mm (4 inch)

Material of

Construction: Cast Iron/Stainless Steel

Capacity:

84 gpm

- Name:

Storage Tanks

Description:

Above-ground verticle storage tanks with (1) manway on top and one 4-ft. from bottom. Each manway is 18" in diameter. These tanks are used for receipt of incoming wastes and/or storage of intermediate process materials.

Quantity:

17

Size:

10' diameter x 25'6" high

Material of

Construction: Carbon Steel

Capacity:

15,000 Gallons (nominal)

#### В. OIL/WATER SEPARATOR SYSTEM

- Refer to Attached Drawing B

This system is used to separate free oil (i.e. oil not in emulsion) and sediment from aqueous wastes.

Incoming aqueous wastes are passed through this system at a rate of up to 500 gallons per minute (gpm). The outgoing aqueous phase is then pumped to storage in one or more of tanks C2, C3, 7 or 9 for future treatment in the Ultrafiltration process.

The outgoing oil phase is pumped to storage in tanks 4 or 6 for further treatment in either the Emulsion Breaking System and/or Filtration and High-speed Centrifuging System.

The outgoing sediment phase is pumped to storage in tank 2 for further treatment in the Solid Bowl Centrifuge.

#### Equipment List, B:

- Name:

Separator Feed Pumps

Description:

Pumps which pump material from aqueous receiving tank to oil/water separator.

Quantity:

Size:

Material of

Construction:

Carbon Steel/Stainless Steel

Capacity:

100 gpm

Grand Service

- Name:

Oil/Water Separator

Description:

A coalescer separator to remove free oil and sediment from oil contaminated water. The separator employs steam heated coils

to prevent freezing.

Quantity:

1

Size:

10' wide x 9'long x 8' high

Material of

Construction:

Carbon Steel with Coal Tar

Epoxy Coating

Capacity:

500 gpm

- Name:

Separator Delivery Pumps

Description:

Pumps which deliver pre-treated aqueous streams to tanks 7,9, C1,

C2 or C3.

Quantity:

2

Size:

6"

Material of

Construction:

......

Carbon Steel/Stainless Steel

Capacity:

100 gpm

- Name:

Oll Pump

Description:

A pump which removes the oil phase from the oil/water separator and delivers it to tanks 4 and 6 for further processing.

Quantity:

1

Size:

6"

Material of

Construction:

Carbon Steel/Stainless Steel

Capacity:

100 gpm

# This Page is Intentionally Blank

5 . j ---

- Name: Sludge Pump

Description: A Moyno P.D. pump which removes the sediment

from the oil/water separator and delivers

it to tank 2 for further processing.

Quantity:

Size: 2"

Material of

Construction: Carbon Steel

Capacity: 30 gpm

## C. <u>ULTRA - FILTRATION SYSTEM</u>

- Refer to Drawing C

This equipment is used for final treatment of water prior to sewer discharge. All process water and wash water from the process building passes through this equipment prior to discharge to the City of Camden Sewer System, and thence, to the Camden County Municipal Utilities Authority Treatment Plant in the City of Camden.

Pre-treated water wastes are pumped from Tanks 7, 9 C2 or C3 into tank C1, from which the material is pumped to the Ultra-Filtration Unit under pressure. Water passes through the membranes of the unit into a 1000 gallon storage tank at up to 30 gpm, and thence to the plant sewer system. The balance of the material passes back to tank C1. Tank C1 is periodically replenished with waste water pumped from tanks 7,9, C2 or C3, until the oil content in tank C1 reaches 25-40%. At this time, the concentrated material is pumped to another storage tank for future treatment in the Emulsion Breaking System.

Equipment List C:

- Name:

U.F. Feed Pump

Description:

A centrifugal pump which pumps pretreated aqueous material from tank #11 to the Ultra-Filtration system. The balance of material flows back to tank #11.

Quantity:

Size:

3" x 2"

Material of

Construction: Cast Steel

Capacity:

50 gpm

- Name:

Line Heater

Description:

A 40 sq. ft. spiral tube and shell heat exchanger which heats product from tank 11 prior to ultra-filtration.

Quantity:

1

Size:

2'6" diam. x 1'3" high (40 sq. ft. of

heating area).

Material of

Construction:

Shell - Stainless Steel Tubes - Cupro-nickel

Capacity:

50 gpm

- Name:

.....

Duplex Strainer

Description:

Steamer with 1/32" mesh screens to prevent

solids from entering U.F. module.

Post 1 18 19

Quantity:

1

Size:

2"

Material of

Construction: Carbon Steel

Capacity:

N/A

#### PROCESS FLOW DESCRIPTION PAGE 9

- Name:

Circulating Pump

Description:

A centrifugal pump circulating process

liquid through the U.F. module.

Quantity:

Size:

6" x 4"

Material of

Construction: Carbon Steel

Capacity:

600 gpm

- Name:

Ultra-Filter Module

Description:

A series of 168, 1" x 10' membrane tubes for removal of oil from waste water. process liquid is continuously pumped through the tubes, where waste water passes through the membrane, and thence to sewer discharge. Oil is thus prevented from

being discharged to sewer.

Quantity:

Size:

388 Sq. Ft.

Material of

Construction:

Koch Membrane Filter Systems

HDPE Pipe - Membrane material Proprietary

Capacity: 30 gpm

- Name:

Water Storage Tank

Description:

A 1000 Gallon storage tank for receipt of treated waste water prior to sewer

discharge.

Quantity:

Size:

6' diam. x 7' high

Material of

Construction: High density polyethylene

Capacity:

1000 gallons (nominal)

## D. SOLID BOWL CENTRIFUGE SYSTEM

 Refer to Drawing D and Drawing H - Process Flow Schematic

This equipment is used to separate liquid and solid phases of wastes. High sediment wastes or sludges previously stored in tank #2 are treated to reduce viscosity and then passed to the solid-bowl centrifuge for separation of the oil/water sediment phases.

The equipment relies on centrifugal force to separate by gravity the dense (sediment) phase from the light (oil and/or water) phase. Each centrifuge has a capacity of up to 35 gpm.

The sediment phase is collected in drums for disposal, or is placed in a bulk container for disposal or further off-site treatment prior to disposal.

The liquid phase, depending upon the nature and content of the material will be passed to another treatment process, or to final storage prior to disposal according to the following parameters:

- i) Material containing less than 2% BS&W (bottom sediment and water) will be pumped to final storage for disposal.
- Material containing less than 15% BS&W in free emulsion (i.e. separable by gravity) will be pumped to vibrating filters to remove solids greater than 86 microns in size and thence to high-speed centrifuges where water and sediment will be removed to a maximum of 2% BS&W.
- iii) Material containing more than 15% BS&W, or oil and water in a chemical emulsion will be pumped to the Emulsion Breaking System where:
  - a) Oil and water will separate down to a maximum of 15% BS&W in the oil phase, or.
  - b) pH adjustment together with chemical demulsifiers will be used to separate the oil and water down to as maximum of 15% water in the oil phase prior to further treatment.



If plant conditions dictate, the liquid phase from the solid bowl centrifuge may be pumped to storage tanks 4 or 6 for future treatment. Chemical flocculants and/or coagulants may be injected directly into the feed to the solid bowl centrifuges as an aid to improving either the conditions of the sediment leaving the equipment and/or assisting the removal of sediment from the liquid phase.

#### Equipment List, D:

- Name: Floc

Flocculent/Coagulant Injection Pump

Description: A P.D. pump capable of delivering up to

0.5% of flow capacity from a drum into the

process line prior to the solid bowl

centrifuge.

Quantity:

1

Size

1/2"

Material of

Construction:

Stainless Steel

Capacity:

0.35 gpm

- Name:

Solid-Bowl Centrifuge

Description:

A liquid/solid centrifugal separator operated

on a continuous basis to remove sediment

from oil/water-mixtures.

Quantity:

2

Size:

4' long x 2.5' wide x 3' high

Material of

Construction:

Stainless Steel

Capacity:

35 gpm

- Name:

Delivery Pump

Description:

A Moyno P.D. Pump controlled by a varying column pressure capable of delivering a continuous flow of

liquid to:

- a) Storage tanks 4 and 6 b) Emulsion breaking system
- c) Filtration/high speed centrifuge system
- d) Product storage tanks

Quantity:

Size:

4"

Material of

Construction: Carbon Steel/Stainless Steel

Capacity:

68 gpm

#### E. EMULSION BREAKING SYSTEM

- Refer to Drawing E

This equipment is used for two purposes:

- To allow separation of oil and water in free emulsion, using heat to reduce viscosity.
- To chemically separate oil and water in chemical emulsion using pH adjustment and demulsifiers.

The material separated in this equipment will be processed at up to 100 gpm. Material will be pumped from the heating loop or the solid-bowl centrifuge to this system.

The oil phase upon leaving the system will be pumped to either the filtration/high speed centrifuging system for further treatment, or be returned to tank 4 or 6 for future treatment. If the BS&W of the oil phase is less than 2%, this material will be pumped to final storage for disposal. The aqueous phase will be pumped to tanks 7,9, C2 or C3 for future treatment through the Ultra-Filtration Unit, after pH adjustment (if necessary) to the range of 6-9. This is necessary in order to comply with sewer discharge requirements. The sediment (sludge) phase will be drummed and pumped to tank #2 or pumped directly to tank #2 for future treatment in the solid-bowl centrifuge.

#### Equipment List, E:

- Name:

Emulsion Breaking System

Description:

A package unit (Great Lakes 100 EBS) for separating chemically emulsified oil/water mixtures into their component parts through chemical and physical means. The unit consists of:

- a) A mixing tank for pH reduction to as low as 2 through the addition of sulfuric acid.
- b) A mixing tank for the mixing of demulsifier.
- c) A separation section including a slant rib coalescer, and steam coils for freeze prevention.
- d) a mixing tank to increase pH to the range 6-9 using sodium hydroxide, in order to meet sewer discharge requirements.

Size:

3.5' wide x 10' long x 7.5' high

Material of

Construction: Carbon Steel/Coal tar epoxy coating.

Capacity:

100 gpm

- Name:

Aqueous Phase Pump

Description:

A Moyno P.D. pump for removal of the aqueous phase, and delivery to tanks 7,9, C1, C2 or C3 for further treatment.

Quantity:

1

Size:

6"

Material of

Construction: Carbon Steel/Stainless Steel

Capacity:

90 gpm

- Name:

Oil Phase Pump

Description:

A Moyno P.D. pump for removal of the oil phase from the emulsion-breaking system and delivery to the following:

a) Tanks 4 or 6 for further processing, or

b) To product storage, or

c) To filtration, high speed centrifuging

system.

Quantity:

1

Size:

6"

Material of

Construction: Carbon Steel/Stainless Steel

Capacity:

85 gpm

- Name:

Sludge Pump

Description:

A Moyno P.D. pump for removal of the sludge phase from the emulsion breaking system and delivery to tank 2 for further processing.

Quantity:

Size:

2"

Material of

Construction:

Carbon Steel/Stainless Steel

Capacity:

3 gpm

#### F. FILTRATION AND HIGH SPEED CENTRIFUGING SYSTEM

- Refer to Drawing F

This treatment system is used for the final polishing of oil containing less than 3% sediment (sludge) and less than 15% water in free emulsion.

The material is passed over vibrating screws to remove solids greater than 83 microns in size, and then heated in line heaters prior to being pumped to high speed centrifuges. water is also pumped into the centrifuges. Free water contained in the oil together with sediment leaves the centrifuge with the water phase, and is passed to a settlement tank where the excess water is drained off and pumped to tank #11 for further treatment. The clarified oil phase is then pumped 7360 final storage prior to disposal.

The settled sludge in the settlement tank is periodically pumped off and to storage in tank #2 for processing through the solid bowl centrifuge.

#### Equipment List, F:

- Name:

Vibrating Screens

Description:

Kason 48' vibrating screens with 200 mesh (83 microns) stainless steel mesh to prevent solids larger than that specified from reaching the high speed centrifuge.

Quantity:

Size:

48"

Materials of

Construction: Carbon Steel/Stainless Steel

Capacity:

50 gpm

- Name:

Demulsifier Injection System

Description:

An injection pump capable of delivering up to 0.5% of flow rate to the line prior to the vibrating screens to allow better separation of oil and water to occur at the high speed centrifuge.

Quantity: \_\_\_\_1

Size:

0.5

Materials of

Construction:

Stainless Steel

Capacity:

0.5 gpm

- Name:

Intermediate Pumps

Description:

Mono M.D. 70 P.D. pumps to remove

process liquid from the vibrating screens to in-line heaters, and thence to the

high speed centrifuge.

Quantity:

2

Sizer

70MM (3")

Materials of

Construction: Cast Iron/Stainless Steel

Capacity:

50 gpm

- Name:

Line Heaters

Description:

Haripin tube and shell heat exchangers which are used to heat process liquid to as high as 200 F before introduction to the high speed centrifuges. High pressure steam (up to 100 psig) is used as the heating medium and condensate is returned for reuse.

Quantity:

Size:

15 sq. ft.

Materials of

Construction: Carbon Steel

Capacity:

25 gpm

- Name:

High Speed Centrifuges

Description:

Sharples D1500 high-speed nozzle bowl-type centrifuges to remove sediment up to 3% and water up to 15% from the process fluid. Water is added at up to 14 gpm, and the sediment and water from the process liquid leaves the centrifuge with the water phase. The clarified oil phase leaves the centrifuge separately for removal to storage.

Quantity:

Δ

Size:

3' long x 3' wide x 4' high

Materials of

Construction:

Cast Steel, Cast Aluminum, Stainless Steel

Capacity:

25 gpm

- Name:

Flowen Pumps

Description:

Mono MD 70 P.D. pumps which remove clarified oil from the high speed centrifuges and deliver it to:

a) Product tanks P1 - P4, or

b) Tanks 4 or 6 for further processing

Quantity:

2

Size:

70mm (3")

Materials of

Construction: Cast Iron/Stainless Steel

Capacity:

50 gpm

- Name:

Settlement Tank

Description:

A V-bottom sectional tank where water from the high-speed centrifuges is recycled for further use. The sediment settles to the bottom of the tank, and any free oil plus water winds from the top for further treatment prior to disposal. The sediment (sludge) is pumped to tank #2 for

further processing.

Quantity:

1

Size: 20' long x 8' wide x 8' high

739

Materials of

Construction: Carbon Steel

Capacity:

1700 gallons

- Name:

Recirculation Pumps

Description:

Centrifugal pumps which deliver clarified water from the settlement tank to the water calorifiers and thence to the high speed centrifuges.

Quantity:

Size:

3" x 2"

Materials of

Construction: Carbon Steel

Capacity:

54 gpm

- Name:

Water Calorifiers

Description:

Haripin tube and shell heat exchangers which are use to raise the temperatures of recycle water to from the settlement tank to 150 F prior to delivery to the high speed

centrifuges.

Quantity:

Size:

20 sq. ft.

Materials of

Construction:

Carbon Steel

Capacity:

27 gpm

- Name:

Intermediate Water Pumps

Description:

Centrifugal sump pumps which remove water from the collection tank, after discharge from the high-speed separators, and return it to the settlement tank for

recycling.

Quantity:

2

Size:

3 x 2"

Materials of

Construction:

Carbon Steel

Capacity:

54 gpm

- Name:

Sludge Pump

Description:

A Moyno P.D. pump which periodically removes accumulated sludge from the settlement tank and delivers it to tank P2 for further processing.

Quantity:

1

Size:

6\*

Materials of

Construction:

Cast Steel/Stainless Steel

Capacity:

50 gpm

#### G. HEATING LOOP SYSTEM

- Refer to Drawing G

For purposes of lowering viscosity to enable separation to occur more easily, extensive use of heat is used in many of the treatment processes. Heat is also provided in storage tanks to enable high viscosity materials to remain pumpable.

This heat is provided by steam from an on-site 150 H.P. steam raising boiler, fired by natural gas or heavy oil. All condensate is recovered and reused.

- a) A heating loop (Drawing G), which permits heating of process material up to 200 F is provided to heat material prior to treatment in the following systems:
  - i) The solid-bowl centrifuge
  - ii) The emulsion-breaking system
  - iii) The filtration/high speed centrifuge system.
- b) The Ultra Filtration System (Drawing C) feed is heated to as high as 140 F to enable higher rates of throughput to be achieved, and to maintain system cleanliness.

- c) The Filtration/High Speed Centrifuge System (Drawing F) has line heaters installed which allow heating to 200 F prior to high-speed centrifuging.
- d) The Oil/Water Separator System (Drawing B) has heaters installed to prevent freezing in cold conditions.
- e) The Emulsion Breaking System (Drawing E) has heaters installed to prevent freezing in cold conditions.
- f) Tanks 8 and 12 have plate heaters installed which allow highly viscous materials to be stored, and remain pumpable. These tanks can be heated up to 150 F.

#### Equipment List, G:

- Name:

Spiral Heat Exchangers

Description:

These are used to pre-heat process liquid to as much as 200 F prior to treatment in:

- a) The solid bowl centrifuge system.
- b) The emulsion-breaking system.
- c) The filtration and high speed centrifuge system

The heat exchangers are of spiral plate internal construction, heated by H.P. steam (up to 100 psig). The condensate is returned for reuse.

Quantity:

2

Size

40 sq. ft.

Materials of

Construction: Carbon Steel Shell/Stainless Steel Internals

Capacity:

100 gpm

- Name:

Flow Central Valve/Back Pressure Valve

Description:

This pair of control valves are of the pinch-valve type. As the operator opens the flow control valve, the back pressure valve closes, forcing process liquid to the required production system. The valves are infinitely variable from 0% - 100% open.

1

Quantity:

1 Pair

Size:

3"

Material of

Construction:

Cast Iron

Capacity:

100 gpm

- Name:

Process Pumps

Description:

Mono MD70 pumps receiving process liquid from:

a) Tanks A&B, 1-2 or

b) Directly from an off-loading truck and delivering it to heat exchangers for pre-heating prior to treatment. Liquid is drawn off at a flow control valve after the heat exchangers, and the balance is

recirculated to the process pumps.

Quantity:

2

Size:

70mm (3")

Material of

Construction:

Cast Iron/Stainless Steel

Capacity:

50 gpm

Name: -- --

Demulsifier Injection Pump

41 30

Description:

A P.D. pump capable of delivering up to 0.5% of the process flow from a drum into the process liquid to enable oil/water emulsion to be separable under physical

separation methods.

Quantity:

Size:

0.5"

Material of

Construction:

Stainless Steel

Capacity:

0.5 gpm

REFERENCE NO. 41

Teny/Jack



# State of New Jersey

#### DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF HAZARDOUS WASTE MANAGEMENT

Michele M. Putnam Deputy Director

Hazardous Waste Operations

John J. Trela, Ph.D., Director 401 East State St. CN 028 Trenton, N.J. 08625-0028 (609)633-1408

Lance R. Miller Deputy Director

Responsible Party Remedial Action

#### MEMORANDUM

TO: John Renella, Assistant Director Division of Regulatory Affairs

FROM: Karl Delaney, Assistant Director

Division of Hazardous Waste Management

SUBJECT: Flowen Oil Delaware Valley, Inc.,

AO/NOCAPA dated November 30, 1988

DATE: January 31, 1989

Please find attached an administrative hearing request received from Flowen Oil Delaware Valley, Inc. on December 29, 1988 regarding then above referenced AO/NOCAPA dated November 30, 1988. Enclosed for your review is a copy of the document and the certified mail return receipt card.

Flowen's legal representatives state in their request that Flowen disputes the findings and denies any violations. They request that this matter be referred to OAL immediately. Therefore, the request is being sent to DRA for processing.

If you have questions or need any additional information, please contact Carolyn Grasso of my staff.

KJD/clg

ENCLOSURES
cc: John Barry
Wayne Howitz
SFO regional file
case file

RECEIVED

FEB 7 1989

Division of Waste Mgt.

LAW OFFICES

HILADELPHIA NATIONAL BANK BUILDING BROAD AND CHESTNUT STREETS PHILADELPHIA PA 19107 (215) 988-2700

1. 1. 2. 2. 5

SUITE SOO 1752 N STREET NW WASHINGTON, DC 20036

(202) 429-7400 NEW JERSEY RESIDENT PARTNERS

BENJAMIN A LEVIN MICHAEL OS FLOYD RICHARD M HLUCHAN LORETTA M KELLY

> ELLEN C GOREN MARK N SUPRENANT MICHAEL E TARVIN BARBARA A PARKER PAUL MCDONALD GLENN A HARRIS

DRINKER BIDDLE & REATH

SUITE 105

1202 LAUREL OAK ROAD VOORHEES, NEW JERSEY 08043

> TELEPHONE: (609) 627-8000 TELEX: 834684 . DEBEMAC TELECOPIER: (609) 627-4370

405 PARK AVEN NEW YORK NY (2-2) 638 56

SUITE 400 100 FALMER SOUARE POS" OFFICE BOX 627 PRINCETON NJ 08542 (609; 92 6336

December 23, 1988

New Jersey Department of Environmental Protection Division of Hazardous Waste Management CN028 Trenton, NJ 08625

CERTIFIED MAIL RETURN RECEIPT

Attention: Assistant Director for Enforcement

> Flowen Oil Delaware Valley, Inc. Administrative Order and Notice of Civil Administrative Penalty Assessment, dated November 30, 1988

Dear Sir or Madam:

This firm is counsel to Flowen Oil Delaware Valley, On behalf of our client, we are hereby requesting an administrative hearing to contest the above-captioned Administrative Order and Notice of Civil Administrative Penalty Assessment. The legal authority and jurisdiction under which such a hearing is requested is N.J.S.A. 52:14B-1 et. seq. and N.J.S.A. 13: IE-9. The specific statutes and regulations involved in this matter include, but are not limited to, the following: N.J.A.C. 7:26-9.2(c)(1); N.J.A.C. 7:26-12.3(e)(2); and N.J.A.C. 7:26-7.6(a)(2). Flowen Oil Delaware Valley, Inc. denies all of the statements of fact and conclusions of law set forth in the Administrative Order. Specifically, Flowen Oil Delaware Valley, Inc., disputes the statements contained in Findings of Fact Nos. 3-8 inclusive, and denies that such facts constitute any violations of law.

Kindly refer this matter to the Office of Administrative Law immediately. Thank you for your cooperation.

Very truly yours,

Richard M. Hluchan

746

RMH: jbh

1. 41 2 .



# State of Rew Jersey

H > 01329

Michele M. Putnam Deputy Director

Hazardous Waste Operations

# DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF HAZARDOUS WASTE MANAGEMENT

John J. Trela, Ph.D., Director 401 East State St. CN 028 Trenton, N.J. 08625 (609)633-1408

Lance R Miler Deputy Director

Responsible Party Remedial Action

3 0 NOV 1938

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Flowen Oil Delaware Valley, Inc. 1800 Carmen Street

Attention: Archie Ross, Facility Manager

Dear Mr. Ross:

Camden, NJ 08105

There is enclosed for service upon you an Administrative Order and Notice of Civil Administrative Penalty Assessment issued by the New Jersey Department of Environmental Protection pursuant to the provisions of the Solid Waste Management Act.

The Department is available to meet with the principals of the case to discuss the enclosed enforcement document. Should you desire such a meeting, please contact Carolyn Grasso with twenty (20) calendar days of receipt of this letter. This does not affect the time frame within which you may request an administrative hearing, under the Notice of Right to Hearing provisions of the enclosed document.

Should you have any questions concerning this matter, please contact Carolyn Grasso at 609-346-8000.

Sincerely

Karl J. Delaney, Assistant Director

Enforcement Element

KJD: krb

cc: Health Department
Mayor's Office
Rureau of Complia

Bureau of Compliance and Technical Services

Regional Field Office

Division of Criminal Justice

enclosure(s)

747



# State of New Jersey

### DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF HAZARDOUS WASTE MANAGEMENT

John J. Trela, Ph.D., Director 401 East State St. CN 028 Trenton, N.J. 08625 (609)633-1408

Lance R. Miller Deputy Director

Responsible Party Remedial Action

3 0 NOV 1988

Michele M. Putnam Deputy Director

Hazardous Waste Operations

IN THE MATTER OF FLOWEN OIL DELAWARE VALLEY, INC.

1800 CARMEN STREET CAMDEN, NJ

ADMINISTRATIVE ORDER

AND NOTICE OF CIVIL ADMINIST

NOTICE OF CIVIL ADMINISTRATIVE PENALTY ASSESSMENT

:

This Administrative Order and Notice of Civil Administrative Penalty Assessment is issued pursuant to the authority vested in the Commissioner of the New Jersey Department of Environmental Protection (hereinafter "NJDEP" or the "Department") by N.J.S.A. 13:1D-1 et seq. and the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq., and duly delegated to the Assistant Director for Enforcement of the Division of Hazardous Waste Management pursuant to N.J.S.A. 13:1B-4.

#### FINDINGS

- 1) Flowen Oil Delaware Valley, Inc. (hereinafter "Flowen Oil") is a generator and transporter of hazardous waste and operates a hazardous waste facility (EPA ID #NJD980536577) as defined by N.J.A.C. 7:26-1.4 and is located at 1800 Carmen Street, Block 1431, Lot 1, Camden City, Camden County, New Jersey.
- Plowen Oil operates its facility pursuant to a Certificate of Approved Registration and Engineering Design Approval (C.A.R./E.D.A.) issued by the Department on June 10, 1981, under Facility Registration No. 6408A, later amended to No. 0408B, and an Administrative Consent Order (A.C.O.) entered into on November 18, 1986. These authorizations are equivalent to a "license" as that term is defined by N.J.S.A. 13:1E-12.7(g). Flowen Oil also holds a hazardous waste transporter license, No. S-8156, issued by NJDEP.
- 3) During a regular facility inspection conducted by a Departmental representative on September 14, 1987, it was observed



Flowen Oil Delaware Valley, Inc. Page Two

that Flowen Oil accepted 6,500 gallons of liquid hazardous waste (X728) from Lionetti Oil Recovery, Inc. (hereinafter "Lionetti") and discharged the hazardous waste directly from the Lionetti tank trailer into the facility's drain system which feeds through an interceptor directly to the Camden City municipal sewer system, in violation of N.J.A.C. 7:26-9.2(c)1.

- 4) By employing this process, Flowen Oil failed to comply with condition 13 of the C.A.R./E.D.A and condition 13 of the A.C.O., in violation of N.J.A.C. 12.3(e)2.
- During a regular facility inspection conducted by a Departmental representative on September 29, 1987, it was observed that Flowen Oil was storing containerized waste in excess of ninety (90) days, in violation of condition 13 of the C.A.R./E.D.A. and condition 13 of the A.C.O. By failure to meet the conditions of the C.A.R./E.D.A. Flowen Oil is in violation of N.J.A.C. 7:26-12.3(e)2.
- 6) During a regular facility inspection conducted by a Departmental representative on April 15, 1988, it was observed that Flowen Oil was again storing containerized waste in excess of ninety (90) days, in violation of condition 13 of the C.A.R./E.D.A. and condition 13 of the A.C.O. By failure to meet the conditions of the C.A.R./E.D.A. Flowen Oil is in violation of N.J.A.C. 7:26-12.3(e)2.
- 7) During a regular facility inspection conducted by a Departmental representative on April 29, 1988, it was observed that Flowen Oil accepted a shipment of hazardous waste accompanied by an improperly completed manifest (Manifest number NJA0372939), in violation of N.J.A.C. 7:26-7.6(a)2.
- Based on the facts set forth in these FINDINGS, the Department has determined that Flowen Oil has violated the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq. and the regulations promulgated pursuant thereto, N.J.A.C. 7:26-1 et seq., specifically N.J.A.C. 7:26-9.2(c)1, 12.3(e)2 and 7.6(a)2.

#### ORDER

NOW, THEREFORE, IT IS HEREBY ORDERED THAT FLOWEN OIL SHALL:

9) Immediately upon receipt of this Order, comply with N.J.A.C. 7:26-9.2(c)1 by ceasing the discharge of hazardous waste directly into the Camden City municipal sewer system.

Flowen Oil Delaware Valley, Inc. Page Three

- 10) Immediately upon receipt of this Order, meet all requirements of the C.A.R./E.D.A. issued by the Department on June 10, 1981 and the A.C.O. entered into on November 18, 1986.
- 11) Not allow hazardous waste to accumulate in containers on site in excess of ninety (90) days without prior submittal of all necessary permit applications.
- 12) Not accept any hazardous waste accompaned by manifests which do not comply with N.J.A.C. 7:26-7.4(a)4.
- 13) Within twenty (20) calendar days upon receipt of this Order submit the enclosed VERIFICATION OF COMPLIANCE by certified mail, return receipt requested or by hand delivery to:

New Jersey Department of Environmental Protection Division of Hazardous Waste Management Southern Bureau of Field Operations 20 East Clementon Road Gibbsboro, NJ 08026 Attention: Carolyn Grasso

14) This Order shall be effective upon receipt.

### NOTICE OF CIVIL ADMINISTRATIVE PENALTY ASSESSMENT

- 15) Pursuant to N.J.S.A. 13:1E-9e and based upon the above FINDINGS, the Department has determined that a civil administrative penalty should be assessed against Flowen Oil in the amount of \$48,000.
- 16) Payment of the penalty is due when a final order is issued by the Commissioner subsequent to a hearing, if any, or when this Notice of Civil Administrative Penalty Assessment becomes a final order (see following paragraph). Payment shall be made by certified check payable to "Treasurer, State of New Jersey" and shall be submitted to:

New Jersey Department of Environmental Protection Division of Financial Management Planning and General Services Bureau of Revenue CN 402 Trenton, NJ 08625

17) If no request for a hearing is received within twenty (20) calendar days from receipt of this Notice of Civil Administrative Penalty Assessment, it shall become a final order

Flowen Oil Delaware Valley, Inc. Page Four

upon the twenty-first calendar day following its receipt and the penalty shall be due and payable.

#### NOTICE OF RIGHT TO A HEARING

18) Pursuant to N.J.S.A. 52:14B-1 et seq. and N.J.S.A. 13:1E-9, Flowen Oil is entitled to an administrative hearing. Any hearing request shall be delivered to the address below within twenty (20) calendar days from receipt of this Administrative Order and Notice of Civil Administrative Penalty Assessment.

New Jersey Department of Environmental Protection Division of Hazardous Waste Management CN 028 Trenton, NJ 08625 Attention: Assistant Director for Enforcement

- 19) Flowen Oil shall, in its request for a hearing, furnish the NJDEP with the following:
  - a. A statement of the legal authority and jurisdiction under which the hearing or action to be taken is to be held;
  - A reference to the particular sections of the statutes and rules involved;
  - c. A short and plain statement of the matters of fact and law asserted; and
  - d. The provisions of this Administrative Order and Notice of Civil Administrative Penalty Assessment to which Flowen Oil objects, the reasons for such objections, and any alternative provisions proposed.

### GENERAL PROVISIONS

- 20) This Administrative Order and Notice of Civil Administrative Penalty Assessment is binding on Flowen Oil, its principals, directors, officers, agents, successors, assigns, any trustee in bankruptcy or other trustee, and any receiver appointed pursuant to a proceeding in law or equity.
- 21) Notice is given that violations of any statutes, rules or permits other than those herein cited may be cause for additional enforcement actions, either administrative or

Flowen Oil Delaware Valley, Inc. Page Five

> judicial. By issuing this Administrative Order and Notice of Civil Administrative Penalty Assessment the Department does not waive its rights to initiate additional enforcement actions.

- No obligations imposed by this Administrative Order and 22) Notice of Civil Administrative Penalty Assessment (with the exception of paragraph 15, above) are intended to constitute a debt, damage claim, penalty or other civil action which should be limited or discharged in a bankruptcy proceeding. All obligations are imposed pursuant to the police powers of the State of New Jersey, intended to protect the public health, safety, welfare and environment.
- Notice is given that pursuant to N.J.S.A. 13:1E-9e, the 23) Department is authorized to assess a civil administrative penalty of not more than \$25,000 for each violation and additional penalties of not more than \$2,500 for each day during which the violation continues after receipt of an administrative order from the Department.
- Notice is further given that pursuant to N.J.S.A. 13:1E-9f, 24) any person who violates N.J.S.A. 13:1E-1 et seq. or any code, rule or regulation promulgated thereunder shall be liable to a penalty of not more than \$50,000 per day of such violation, and each day's continuance of the violation shall constitute a separate violation.
- Notice is further given that pursuant to N.J.S.A. 13:1E-9f, 25) any person who violates an administrative order issued pursuant to N.J.S.A. 13:1E-9c, or a court order issued pursuant to N.J.S.A. 13:1E-9d, or who fails to pay a civil administrative penalty in full after it is due shall be subject upon order of a court to a civil penalty not to exceed \$100,000 per day of such violation and each day's continuance of the violation shall constitute a separate violation.

Delaney

Assistant Director

Hazardous Waste Enforcement

KJD:krb

REFERENCE NO. 42

germa.

753





# State of Rew Versey

# DEPARTMENT OF LAW AND PUBLIC SAFETY DIVISION OF LAW

RICHARD J. HUGHES JUSTICE COMPLEX CN 112 TRENTON 08625 KENNETH S. LEVY
ASSISTANT ATTORNEY GENER,
DIRECTOR

(609) 292-1509

March 16, 1990

AR 15 2 SU 11 "

Honorable Steven C. Reback, ALJ Office of Administrative Law 9 Quakerbridge Plaza CN 049 Trenton, New Jersey 08625

Re: I/M/O Flowen Oil Delaware Valley, Inc.

Docket No. EHW-8184-87 Agency Ref. No. 87-284

Dear Judge Reback:

ROBERT J. DEL TUFO

ATTORNEY GENERAL

Pursuant to the last conference call among the parties in this matter on January 31, 1990, and Your Honor's order of February 9, 1990, the Department of Environmental Protection submits the following by way of amendment to the Administrative Order/Notice of Civil Administrative Penalty Assessment, etc., ("Administrative Order") in this matter. The following paragraphs should be considered a part of the Administrative Order for all purposes:

62(A) On September 10, 1987, the State Grand Jury handed up a 26-count indictment in State v. Daniel Tarrats (a/k/a Michael Danna, a/k/a Michael D'Anna, a/k/a Kevin Flynn) and National Cor-



porate Disposal Inc., No. SGJ-190-87-1. A copy of the indictment is attached to this Order and made a part hereof as Attachment A.

Tarrats and National Corporate Disposal committed the crimes of making false statements on manifests, in violation of N.J.S.A. 13:1E-9g(5); making false statements to persons who prepared manifests, in violation of N.J.S.A. 13:1E-9g(4); theft by deception, in violation of N.J.S.A. 13:1E-9g(4); theft by deception, in violation of N.J.S.A. 2C:20-4; tampering with public records or information, in violation of N.J.S.A. 2C:28-7a(1) and (2); falsifying or tampering with records, in violation of N.J.S.A. 2C:21-4; forgery, in violation of N.J.S.A. 2C:21-1a; misconduct by a corporate official, in violation of N.J.S.A. 2C:21-9c; and conspiracy to commit those crimes, in violation of N.J.S.A. 2C:5-2.

62(C) All of the crimes alleged in the indictment, except Count 26, arose out of the same subject matter and conduct alleged in Paragraphs 43 through 62, inclusive, of this Order, i.e., the section of the Order entitled "The Kentile Floors Cleanup Job."

62(D) On September 18, 1987, both defendants entered pleas of not guilty to all charges of the indictment.

62(E) On June 15, 1989, Daniel Tarrats appeared before the Honorable James F. Madden, Superior Court of New Jersey, Law Division, Bergen County, and changed his plea on Counts 21 and 26 from not guilty to guilty. The guilty pleas were accepted by Judge Madden on that date.

62(F) The counts to which Daniel Tarrats pled guilty read respectively as follows:

## COUNT TWENTY-ONE

(Forgery - Fourth Degree)

DANIEL TARRATS
also known as
MICHAEL DANNA
also known as
MICHAEL D'ANNA
also known as
KEVIN FLYNN

and

### NATIONAL CORPORATE DISPOSAL, INC.

on or about October 17, 1986, in the Borough of Bogota, County of Bergen, at the Borough of South Plainfield, in the County of Middlesex, elsewhere and within the jurisdiction of this Court, with the purpose to defraud the State of New Jersey, S&D Engineering, Inc., and Kentile Floors, did execute writings, namely New Jersey Uniform Hazardous Waste Manifests bearing document identification numbers NJA0213511, 0213512, 0213513, 0213514 and 0213515, so that line 20 of the said manifests purported to be the signature of Linda Lambert, who did not authorize said signature; contrary to N.J.S.A. 2C:21-1(a)(2), N.J.S.A. 2C:2-6, N.J.S.A. 2C:2-7, and against the peace of this State, the government and dignity of the same.

#### COUNT TWENTY-SIX

(Forgery - Fourth Degree)

DANIEL TARRATS
also known as
MICHAEL DANNA
also known as
MICHAEL D'ANNA
also known as
KEVIN FLYNN

#### and

### NATIONAL CORPORATE DISPOSAL, INC.

on or about March 23, 1987, at the City of Hackensack, in the County of Bergen, elsewhere and within the jurisdiction of this Court, with the purpose to defraud, did utter as true to Bergen County Investigator John F. Poliey a New Jersey State Driver's License Number F5688-43374-05555, bearing thereon the signature of KEVIN FLYNN, and bearing the photograph of DANIEL TARRATS, knowing the same to be forged or falsely made, contrary to the provisions of N.J.S.A. 2C:21-1(a)(3), and against the peace of this State, the government and dignity of the same.

62(G) The guilty pleas were entered by Daniel Tarrats to Counts 21 and 26 of the indictment pursuant to a plea agreement with the Division of Criminal Justice (the prosecuting agency) by which that Division would move, at Tarrats' sentencing, for dismissal of all remaining counts against Daniel Tarrats and all counts against National Corporate Disposal, Inc.

62(H) On August 4, 1989, Daniel Tarrats was sentenced on Count 21 to two years' probation and a fine of \$2,000. An identi-

cal sentence (and fine) was imposed on Count 26 with the terms of probation to run concurrently. The \$4,000 fine is to be paid in installments of \$200 per month beginning September 1, 1989. The remaining counts were dismissed pursuant to the plea agreement on that date. The Judgment of Conviction is attached to this Order and made a part hereof as Attachment B.

known as "A-901," Tarrats' forgery convictions render the "A-901" license of any company of which he is a principal subject to revocation or, if such a license is pending, to denial. See N.J.S.A. 13:1E-133(b)(11), which concerns denial for conviction of "forgery and fraudulent practices;" N.J.S.A. 13:1E-134(a), which concerns revocation for any cause which would require denial; and N.J.S.A. 13:1E-134(b), which concerns revocation for "fraud, deceit or misrepresentation ... in the conduct of the licensed activity."

62(J) Under N.J.A.C. 7:20-16.24, concerning convicted persons acting as brokers, the Department's policy is "to discourage persons who would be disqualified from obtaining licenses under ["A-901's" supporting regulations] from acting as brokers in the solid waste or hazardous waste activities." The Department is authorized to examine a broker's relationship with an applicant or licensee "in order to determine whether the broker is or has acted as an employee" of that applicant or licensee. The Department is further authorized to "deny or revoke a license if it finds that an

applicant or licensee has set up or maintained a relationship with a broker for the purpose of avoiding disqualification...." Id.

Paragraph 104 of the Administrative Order is hereby amended to read as follows:

104. Pursuant to N.J.S.A. 13:1E-133(b) and N.J.S.A. 13:1E-134(a), in that Daniel Tarrats was convicted of two counts of forgery, as charged in Counts 21 and 26 of the indictment in State v. Tarrats, State Grand July No. 190-87-1, at least one of which (Count 21) was committed within the scope of his authority as an officer of both Flowen Oil and NCD. See Attachment B.

The rest of the Administrative Order is to continue in force in all respects.

Respectfully,

ROBERT J. DEL TUFO ATTORNEY GENERAL OF NEW JERSEY

By:

John A. Covino

Deputy Attorney General

Attachments

CC: Thomas F. Lowe, Clerk
Harry Carroll, Esq. (NCD/Tarrats)
Mark L. Amsterdam, Esq. (Tarrats)
Richard M. Hluchan, Esq. (Flowen)
Harold S. Okin, Esq. (NCD)
Joan Brown, Esq. (Remtech)
Scott B. Dubin, Esq., DEP
(all w/att)

REFERENCE NO. 43



BY:Xerox Telecopier 7020 ; 8-27-90 ;11:20AM ;

+212 678 6182;# 2

File 0408B

State of New Versey

DEPARTMENT OF LAW AND PUBLIC SAF

RICHARD J. HUGHES JUSTICE COMPLEX CN 112 TRENTON 08625 ASSISTANT ATTORNEY GENERAL DIRECTOR

(609) 292-1509

August 21, 1990

Leon Sokol, Esquire Greenstone, Sokol, Behot and Fiorenzo 39 Hudson Street Hackensack, NJ 07601

Re: Remtech Environmental (New Jersey), L.P. Application Under N.J.S.A. 13:1E-126 ("A-901")

Dear Mr. Sokol:

ROBERT J. DEL TUFO

ATTORNEY GENERAL

Based upon previous correspondence and our meeting of July 11, 1990, it is the understanding of the Department of Environmental Protection that Resource Management Technologies, Inc. ("Remtech"), which currently holds currently has a management agreement with (New Jersey), L.P., to manage the assets of the Camden facility formerly operated by Flowen Oil Delaware Valley, Inc., an owner of which is Flowen Energy Corporation, owned by Joe C. Norman. It is also the Department's understanding that Remtech Environmental Group, L.P., is the general partner of Remtech Environmental (New Jersey), L.P., and that a 10 per cent limited partner of Remtech Environmental (New Jersey) L.P. is Mr. Norman. Remtech Environmental (New Jersey) L.P. is Mr. Norman. Remtech Environmental (New Jersey) L.P. has filed disclosure statements with the Department pursuant to "A-901."

It is the Department's further understanding that Remtech Environmental (New Jersey), L.P. wishes to become licensed under "A-901."

Kindly be advised, as we set forth at the meeting of July 11, 1990, that the Department will not agree to issue a license to Remtech Environmental (New Jersey) L.P., so long as Mr. Norman has

August 21, 1990 Page 2

any interest therein of a type set forth in N.J.S.A. 13:1E-133 or N.J.S.A. 13:1E-134. The Department is currently prosecuting an administrative order and notice of civil penalty assessment against Flowen Oil Delaware Valley, Inc., for substantial regulatory and statutory violations in the conduct of its business concerning the Camden facility. Mr. Norman held a control ling interest and the office of president in Flowen Oil Delaware Valley, Inc., at the time of the alleged violations and, to the Department's knowledge, continues in those capacities.

Very truly yours,

ROBERT J. DEL TUFO ATTORNEY GENERAL OF NEW JERSEY

Bv:

John A. Covino

Deputy Attorney General

JAC/jhm

#### REFERENCE NO 44

### SOKOL, BEHOT AND FIORENZO

COUNSELLORS AT LAW

39 HUDSON STREET

HACKENSACK, NEW JERSEY 07601

LEON J. SOKOL (NJ, NY & FLA BAR)
JOSEPH F. BEHOT, JR. (NJ & NY BAR)
JOSEPH B. FIORENZO (NJ & NY BAR)

THOMAS S BOYD, JR OF COUNSEL (201)488-1300 TELECOPIER (201) 488-6541 FRANK A. CAMPANA
JEFFREY A. ZENN (NJ & DC & BAR)
CYNTHIA A. CAPPELL
JARED M LANS (NJ & MN & BAR)
LEWIS R. SHAFER (NJ & NY & BAR)

September 27, 1990

Deputy Attorney General John A.Covino Department of Law and Public Safety Division of Law Justice Complex Cn-112 Trenton, New Jersey 08625

Re: Remtech Environmental ( New Jersey, L.P.)
A-901 Approval

Dear John:

I am enclosing herein a draft lease by and between Remtech Environmental Group, L.P. and Resource Management Technologies, Inc. It is structured so that all of the net cash flow from operations will be paid to Remtech Environmental Group, in which Joe Norman has no interest. Joe Norman will not have an interest in or receive any revenues from the facility through the lease.

Please review and advise if this is acceptable to your Department and the Department of Environmental Protection. Based upon the new reorganization, I have not sent copies to Scott Dubin or Gerry Burke, as I am not sure as to their continued involvement in this matter. I am enclosing an additional copy for you to pass on to the appropriate person in the Department for review. I would appreciate your notifying me as to the name of that person and telephone number so that my files can be brought up to date.

Thanks and best regards.

Sincerely,

LEON J. SOKOL

764

LJS/zs Encls.

CC: Ron Klempner
Paul Fleischmann

REFERENCE NO. 45

# Flowen Oil Delaware Valley Inc



1800 Carman Street, Camden, N.J. 08105 • Telephone (609) 365-5544

May 11, 1982

New Jersey Department Environmental Protection Solid Waste Administration 32 E. Hanover Street Trenton, New Jersey 08625

#### Gentlemen:

By direction of Mr. Al Fralinger, N.J.D.E.P., we wish to report an oil spill at our tank farm.

At approximately 1:00 P.M. on Saturday, May 1, 1982, while transfering oil within our tank farm, a tank was run over resulting in the spill of approximately 20 gallons of used crankcase oil into our contained area. None of the oil ran outside of the containment area. No oil reached storm sewers, sanitary sewers, soil or waterways.

The oil was subsequently pumped out of oru containment area into an adjacent storage tank in the same tank farm area.

We did not construe this incident to be an unauthorized discharge because the tank farm area is totally enclosed by a dike with no outlet.

However, Mr. Fralinger advised that we should report the spill in accordance with Section 12-G, page 5 of our Certificate of Approved Registration and Engineering Design Approval.

We are under negotiations to have tank gauging devices installed to prevent future spills.

If there are any further questions, please call or write to me.

Sincerely,

Ralph E. Stone

Technical Manager

766

1950

REFERENCE NO. 46



# Flowen Oil Delaware Valley Inc

1800 Carman Street, Camden, N.J. 08105 • Telephone (609) 365-5544

June 7, 1982

New Jersey Department of Environmental Protection Solid Waste Administration 32 E. Hanover Street Trenton, New Jersey 08625

Gentlemen:

At approximately 4:55 P.M. on May 24, 1982, while transfering oil into our tank farm, a tank was overfilled resulting in a small oil spill of about 20-25 gallons. This was reported to Mr. E. Liu of the New Jersey D.E.P.

The oil was contained in our concrete dike area except for a few drops which the wind blew onto the grass outside the wall. The oil on the grass was wiped up with absorbent pads and the oil in the dike area was pumped into another tank.

We have contracted to have tank gauges installed to help prevent future spills.

Sincerely,

Ralph E. Stone/TM

Technical Manager

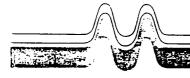
Facility Registration #6408A

REFERENCE NO. 47

·

Kuhlwein- FYI

# Flowen Oil L\_!aware Valley Inc



1800 Carman Street. Camden. N.J. 08105 • Telephone (609) 365-5544

June 7, 1982

New Jersey Department of Environmental Protection Solid Waste Administration 32 E. Hanover Street Trenton, New Jersey 08625

Gentlemen:

At approximately 6:00 P.M. on June 1, 1982 while transfering oil into a tank at our tank farm, a tank was overfilled resulting in a small oil spill of about 25 gallons. The incident was reported to Mr. Kirchof of your office at 6:45 P.M.

The oil was contained in our concrete dike area except for about 5 gallon which splattered onto the ground outside the dike area. Absorbent material was spread on the ground area and subsequently disposed of in a dry waste container.

Our contractor will start to install gauges on our tanks this week. The gauges will help to prevent future spills.

Sincerely,

Ralph E. Stone/TM Technical Manager

Facility Registration #6408A

REFERENCE NO. 48

775 12

Phone: 609-541-6700 Telex: 834477



# Stablex-Reutter Inc.

Ninth and Cooper Streets
P.O. Box 499
Camden, New Jersey 08101

November 23, 1982

OIL FILTER SLUDGE ANALYSIS - FLOWER DIL

Flowen Oil Co. 1800 Carmen Street Camden, NJ 08101

"Attention: Jim Cachassi

Reference: Test Report No. SR7502

This report covers the analysis of one (1) sludge sample submitted to Stablex-Reutter, Inc. (S-R) on October 25, 1982. The analysis adhered to the following publications:

- . Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, 1980.
- . Determination of Heat of Combustion and Sulfur Content in Petroleum Products, Parr Calorimetric Procedure.
- . ASTM D-93, Standard Test Method for Water in Petroleum Products and Bituminous Materials by Distillation.
- . Federal Register, May 19, 1980 edition, Characteristic of EP Toxicity.
- EPA-EMSL The Analysis of Polychlorinated Biphenyls in Transformer Fluids and Waste Oils, June, 1980. (Columns and GC conditions for PCBs).
- . Modified Method 601, Federal Register, Vol. 44, No. 233, December 3, 1979. (Modified Method for Total Organic Halogens).

Parameters and analytical results are delineated in the attached table. Should you have any questions, please don't hesitate to call.

Respectfully submitted,

STABLEX-REUTTER, INC.

Cacherine M. Ward

Catherine M. Ward Group Leader, Inorganic Section

CMW/bb

LAP

Phone: 609-541-6700 Telex: 834477



# Stablex-Reutter Inc.

Ninth and Cooper Streets
P.O. Box 499
Camden, New Jersey 08101

Flowen Oil Company Test Report No. SR7502 November 23, 1982 Page 2

### Analytical Results

## Raw Analysis

901	SR7502
onstituent	Sludge Sample
Chloride, ug/g	3900 <sub>.</sub>
later, %	15
JH, units	8.90
Phosphorous, total, as P	46
Bulfur, total, %	0.53
leat of Combustion, BTU/1b	12,000
Ash, %	18
Chromium, total, ug/g	2.4
Copper, total, ug/g	3.8
fron, total, ug/g	180
Lead, total, ug/g	1,800
dammenese, total, ug/g	1.2
denum, total, ug/g	890
Sodium, total, ug/g	2,700
PCBs, as Arochlor 1260, ug/g	10
Total Organic Halogens, as Chloride, ug/g	570

#### EPA-EP Analysis

	SR7502	EP Toxicity
Constituent	Sludge EPA-EP	Limit
****		
Arsenic, total, mg/l	<1	5.0
Barium, total, mg/l	0.83	100.0
	<0.1	1.0
Cadmium, total, mg/l	<0.1	5.0
Chromium, total, mg/l	• • • •	5.0
Lead, total, mg/l	<0.5	
Mercury, total, mg/l	<0.002	0.2
Selenium, total, mg/l	<1	1.0
Silver, total, mg/l	<0.1	5.0



## Stablex-Reutter Inc.

Ninth and Cooper Streets
P.O. Box 499
Camden, New Jersey 08101

Flowen Oil Company Test Report No. SR7502 November 23, 1982 Page 3

#### Quality Assurance Data

#### Raw Analysis

#### Sample# + Spike

Constituent	Amount of Spike	% Recovery
Chromium	1.0	110
Copper	1.0	92
- Lead	1.0	88
	1.0	96
Manganese	• • •	120
PCBs	4.93	120

The spiked sample was analyzed simultaneously with the sample in this Test Report and can be found in Test Report Nos. SR7515 and WS1661.

#### **EPA-EP Analysis**

#### Sample# + Spike

Constituent	Amount of Spike	% Recovery
Arsenic	1.0	79
Cadmium	1.0	110
	1.0	95
Chromium	1.0	100
Lead		120
Mercury	0.1	
Silver	1.0	82

\* The spiked sample was analyzed simultaneously with the sample on this Test Report and can be found in Test Report No. SR7421.

## Flowen Oil Delaware Valley Inc



1800 Carman Street, Camden, N.J. 08105 • Telephone (609) 365-5544

November 24, 1982

Department of Environmental Protection Bureau of Hazardous Waste 32 E. Hanover Street CN027 Trenton, New Jersey 08625

Attention: Ernie Kuhlwein

On November 19, 1982 at approximately 12:30 PM tank #4 on our waste oil tank farm discharged approximately 20 gallons. The discharge was contained within our waste oil farm.

The discharge occured when a driver, under supervision from myself, was unloading his vehicle. The vehicle was being pumped into another tank, #6. However, the valve on tank #4 was partially open, this allowed for some oil to pump into tank #4 which contained approximately 14,900 gallons. After 5 minutes of pumping the partially open valve on tank #4 allowed enough oil to seep in which caused the tank to spill approximately 20 gallons out thru the top vent. Immediately upon seeing tank #4 spilling the driver switched off the pump. Upon inspection I saw the open valve (#6) and partially open valve (#4) and realized what had happened. I next relieved some of the head from tank #4 and gave instructions to clean up the spill. After tank #4 was secure I gave the go ahead to finish pumping the vehicle off into tank #6. The area was then cleaned up.

Sincerely,

Jim Caccese Production Manager

JC/tm

128

Flowen Oil Delaware Valley Inc



1800 Carman Street, Camden, N.J. 08105 • Telephone (609) 365-5544

January 19, 1983

Division of Waste Management
Department of Environmental Protection
32 E. Hanover Street
CN 027
Trenton, New Jersey 08625

Re: Report of incident at

Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of the Commence of th

Flowen Oil Delaware Valley, Inc.

December 17, 1982

Attention: David E. Bute

At 5:40 AM on December 27, 1982 our Process Operator Robert Rittner arrived for work. On going around the site he heard splashing in the finished product area. He immediately investigated and found that tank sampling valves on all four finished product tanks had been opened, and oil was being discharged into the tank containment area. On checking the raw material tanks the same situation was found.

He immediately called the writer and informed him of the situation. He then set about closing all the open valves. As mentioned previously, all four finished product tanks had been opened and the valves on the raw material tanks numbers 1 thru 9 had also been opened.

All the spilled oil had been discharged into the tank containment areas, with none escaping to the surrounding land or Flowen site.

At 6:50 AM the writer arrived on site and personally set about organizing the return of raw material to the storage tanks. This job was completed at approximately 1 PM and we returned 41,000 gallons of product to storage.

At approximately 7:30 AM the writer interviewed the guard on duty from K-9 Guard Service, 1102 Fairview St., Camden, N.J. 08104 who claimed to have heard nothing during his term of duty from 8 PM Sunday, December 26th to the time of the interview.

At approximately 8 AM the Camden City Police Department were informed of the incident and at approximately 8:30 AM Patrolman A. George from the department arrived to make a preliminary report.

At 7:30 AM the collection drivers arrived to start their days work and it was then discovered that all four collection vehicles had been tampered with. In three out of four cases, ignition keys had been removed, and in all four cases parts of the brake airline system around the rear axles had been removed, thereby immobilizing the vehicles.

At approximately 9 AM Ms. Susan Savoca at the Department of Environmental Protection in Trenton was informed of the incident. She stated that she would have an inspector call to make a report. At approximately 10 AM David E. Bute from DEP arrived on site, investigating an oil discharge into the Cooper River. After contacting his office he also agreed to investigate and report on the spill as here reported.

At approximately 1 PM we started moving products from the finished product containment area and moved it to raw material storage for reprocessing. We removed approximately 15,000 gallons from the finished product area. This job was completed at approximately 4 PM.

We restarted production at approximately 5 PM.

The net result to Flowen Oil of the incident was that a delay of approximately two days occured. One day was spent replacing spilled oil into tanks, and the second day was spent reprocessing the oil spilled into the finished product area.

In addition to this, approximately 11 trucking days were lost due to the time required to repair the trucks, and the delay in obtaining certain spare parts. Also 12 man days were lost due to the work required in cleaning up after the oil had been returned to storage tanks, and the lack of truck availability.

Certain steps have been taken in order to make the Flowen Oil site more secure during the hours of darkness. Firstly a guard dog was introduced between the hours of 10 PM and 8 AM, tethered on a long leash. This dog should give the guard also on duty a warning that when strangers are on or around the site. Additionally, other security measures are being investigated which will give an electronic and/or audible warning when entry is made or attempted to the site.

This incident although most disruptive to Flowen Oil caused no hazard or nuisance to Flowen Oil's neighbors. All the spilled oil was contained within the tank containment areas, and no nuisance or danger was caused through fumes or smell in the atmosphere.

}-: 11.

Sincerely yours,

Archie Bilsland Manager

AB/tm





### Flowen Oil Delaware Valley Inc



1800 Carman Street, Camden, N.J. 08105 • Telephone (609) 365-5544

April 11, 1983

Department of Environmental Protection Bureau of Hazardour Waste 32 East Hanover Street Trenton, New Jersey 08625

Attention: Ernie Kuhlwein

Dear Mr. Kuhlwein:

On March 30, 1983 Flowen Oil Delaware Valley experienced a temporary failure of one of five oil-water separators. This failure led to the discharge of approximately 25 gallons of oil to the City storm drain system. The separators purpose is to contain any oil spilled on the plant site while allowing the water to flow to the City water system.

The water discharge pipe for this interceptor became clogged with some sludge. This allowed the water to back-up causing the oil to discharge into the water stream through an overflow. This discharge was noted by the Camden City Water Department at approximately 10:15 A.M. Within 15 minutes of learning of the problem, it was corrected by Flowen Oil Delaware Valley Incorporated. Along with correcting the problem the necessary steps were taken to insure that the problem never re-occurs. This is the first and only time there was oil discharged into the City system.

Sincerely

James Caccese

Production Manager

√JC/sw

H.



HW 00133

### State of Nem Jersey

#### **DEPARTMENT OF ENVIRONMENTAL PROTECTION**

DIVISION OF WASTE MANAGEMENT 120 Rt. 156, Yardville, N.J. 08620

JACK STANTON DIRECTOR

LINO F PEREIRA
DEPUTY DIRECTOR

June 16, 1983

RECEIVED JUN 2 0 1983

Archie Bilsland Flowen Oil Delaware Valley, Inc. 1800 Camden Street Camden, New Jersey

Re: Penalty Settlement Offer

Dear Mr. Bilsland:

Attached is an Administrative Order concerning a violation of the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq and regulations promulgated thereunder, specifically N.J.A.C. 7:26-7.6(a)2, 7.6(a)3 and 7.6(b)1.

Pursuant to the terms of the Administrative Order, the violations must be corrected and the rules and regulations of this Department must be complied with by the specified date.

In addition, a penalty settlement offer of \$300 will be held open until July 16, 1983 to allow for an amicable resolution of this statutory claim for the referenced violation. Be advised that N.J.S.A. 13:1E-9c provides for a maximum civil penalty of \$25,000 per day for violations of this nature.

In the event of non-compliance with the Administrative Order and/or non-acceptance of this penalty settlement offer, this matter will be referred to the Office of the Attorney General for the initiation of litigation to enforce the Order and seek the full penalties allowed by law.

Should you wish to discuss the specifics for acceptable compliance with these directives, contact John Barry at (609) 984-3695...

Be advised that such discussion will not automatically delay or otherwise extend the deadline for compliance with the Administrative Order.

Very truly yours,

Joseph A. Rogalski Assistant Director

lmc Attachments



### State of New Jersen

#### DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WASTE MANAGEMENT 120 Rt. 156, Yardville, N.J. 08620

ACK STANTON

LINO F PEREIRA
DEPUTY DIRECTOR

June 16, 1983

(IN THE MATTER OF ()
(FLOWEN OIL DELAWARE VALLEY, INC.)

ADMINISTRATIVE ORDER

The following FINDINGS are made and ORDER is issued pursuant to the authority vested in the Commissioner of the New Jersey Department of Environmental Protection (Department) and duly delegated to the Assistant Director for Enforcement and Field Operations, Division of Waste Management, under the Solid Waste Management Act, N.J.S.A. 13:1E et seq.

#### FINDINGS

- 1) Flowen Oil Delaware Valley, Inc., is operating a hazardous waste facility as defined by N.J.S.A. 13:1E-3(h) and N.J.A.C. 7:26-1.4 at Lot 1, Block 1431 in the City of Camden, New Jersey, (hereinafter "Flowen Oil").
- 2) The aforementioned facility was granted a five (5) year certificate of approved registration and Engineering Design approved on June 10, 1982. (Facility #6408A)
- 3) On February 8, 1983 during the course of routine facility inspection at the above referenced facility a departmental investigator observed the following violations:
  - a) Flowen Oil accepted a shipment of hazardous waste which was accompanied by an improperly completed manifest, specifically Flowen Oil accepted a shipment of waste oil from Marisol accompanied by New Jersey manifest #NJ0146745, said manifest indicated an incorrect USDOT shipping name and EPA waste type, in violation of N.J.A.C. 7:26-7.6(a)2.
  - b) Flowen Oil failed to notify the Department in writing of the above referenced manifest discrepancy,

indicated in FINDING 3-A, within one week, a violation of N.J.A.C. 7:26-7.6(a)3.

- c) Flowen Oil failed to sign and date the manifest, indicated in FINDING 3-A, upon receipt of the waste shipment, a violation of N.J.A.C. 7:26-7.6(b)1.
- 4) The Department's Solid Waste Management Rules, specifically N.J.A.C. 7:26-7.6(a)2, 7.6(a)3 and 7.6(b)1, provide that:
  - N.J.A.C. 7:26-7.6 Hazardous Waste Facility Operator Responsibilities (a) General requirements are as follows:
  - 2. Except as hereinafter provided, the facility operator shall only accept hazardous waste shipments which are properly labeled and marked in accordance with these rules, and which are accompanied by a properly completed manifest unless no manifest is required pursuant to N.J.A.C. 7:26-8.1 et seq.
  - 3. The facility operator may accept a hazardous waste which appears to be other than the quantity or waste type described in the manifest, provided the facility is authorized to accept such waste. The facility operator shall notify the Department in writing of such a manifest discrepancy within one week describing the nature of the discrepancy and the arrangements made for the disposition of the waste.
  - N.J.A.C. 7:26-7.6(b) If a facility receives hazardous waste accompanied by a manifest, the owner or operator, or his/her agent, must:
  - Sign and date each copy of the manifest to certify that the hazardous waste covered by the manifest was received.

#### ORDER

"NOW, THEREFORE, IT IS HEREBY ORDERED" that Flowen Oil Delaware Valley, Inc. its, principals, agents, employees, successors, assigns, tenants, and any receiver or trustee in bankruptcy, (should such an entity be appointed to take control of the facility which is the subject of this Order) shall:

- 5) Immediately cease acceptance of hazardous waste accompanied by improperly completed manifests.
- 6) Notify the Department within one week, in writing, of any discrepancies found on a hazardous waste manifest to the Bureau of Hazardous Waste Classification and Manifest, 32 East Hanover Street, Trenton, New Jersey 08625.

BE ON NOTICE that the maximum civil penalty for violations of the Solid Waste Management Act on an ORDER issued pursuant thereto is \$25,000 per day.

Joseph A. Rogalski Assistant Director

JB:lmc

£., TE-

ह् श्ट





### State of New Jersey

#### DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF WASTE MANAGEMENT 120 Rt. 156, Yardville, N.J. 08620

JACK STANTON DIRECTOR

LINO F. PEREIRA DEPUTY DIRECTOR

1 7 JUN 1983

Archie Bilsland Flowen Oil Delaware Valley, Inc 1800 Canden Street Camden, NJ

RE: Notice of Violation

Dear Mr. Bilsland:

Pursuant to the Solid Waste Management Act, N.J.S.A. 13:1E-1, et seq., and regulations promulgated thereunder, specifically N.J.A.C. 7:26-12.3(e)2, 9.3(a)3, the following findings of fact are made:

#### **FINDINGS**

- 1. Flowen Oil Delaware Valley, Inc., is operating a hazardous waste facility as defined by N.J.S.A. 13:1E-3(h) and N.J.A.C. 7:26-1.4 at Lot 1, Block 1431, in the City of Camden, New Jersey (hereinafter "Flowen Oil")
- 2. The aforementioned facility was granted a five (5) year certificate of approved registration and Engineering Design approved on June 10, 1982 (Facility #6408A).
- On February 24 1983 and April 21, 1983, during the course of routing facility inspection at the above referenced facility, a Departure tal investigator observed the following violations:
  - a) Flower Oil installed a new treatment process without notifying the Department. Specifically, Flower Cil installed a new heat coil treatment system, a violation of N.J.A.C. 7:26-12.3(e)2.
  - b) Flowen Oil failed to mark drums containing waste oil sludge with the accumulation starting date, a violation of N.J.A.C. 7:26-9.3(a)3.

4. The Department's Solid Waste Management Rules, specifically N.J.A.C. 7:26-12.3(e)2 and 9.3(a)3 provide that:

N.J.A.C. 7:26-12.3(e) 2 Any person operating an existing hazardous waste facility prior to final disposition of a permit application pursuant to this subchapter shall comply will all conditions and requirements of any Approved Registration and Engineering Design Plan issued to the owner or operator of the facility.

- N.J.A.C. 7:26-9.3(a) A generator may accumulate hazardous waste on site without a permit for 90 days or less provided that:
  - 3. The date upon which each period of accumulation begins is clearly marked and visible for inspection on each container.

These violation have been recorded as part of the permanent enforcement history of your facility.

The Department of Environmental Protection has chosen not to prosecute the violations noted on the above date but does not relinquish its right to do so in the future.

This letter will serve to advise you that any further violations of N.J.A.C. 7:26-1 et seq., are subject to a maximum penalty of \$25,000 per day in accordance with N.J.S.A. 13:1E-9.

Should you have any questions regarding this matter, contact Charles Krauss (609) 859-2958.

Very truly yours,

dseph A. Rogalski

stant prector

JB:kas

MEMO

#### NEW JERSEY STATE DEPARTME. OF ENVIRONMENTAL PROTECTION

то	Ronald T. Corcory			
FROM	Steve Carfora 5C	DATE_	10/3/83	
SUBJECT	Flowen Oil and William Uhl			

On Monday, 8/29/83 and Thursday, 9/1/83, I had telephone conversations with Al Pierce, a lawyer and regional representative, who is employed by Flowen Oil of Camden, NJ (609-966-4633 or 609-962-7100). Pierce obtained my name and phone number through John Purvis who used to work for the NJDEP and is now employed by the Camden County Solid Waste Department. The information Pierce gave me is summarized below. It may be of interest to BFO's Southern Field Office and possibly to the Division of Criminal Justice (DCJ).

When Pierce called on 8/29/83, he was quite agitated about the fact that Flowen had recently hired someone named William Uhl to be plant manager. He felt that Uhl had a bad reputation and was worried about the possibility that the NJDEP might try to revoke Flowen's hazardous waste transporter license and/or facility permit because someone with Uhl's background and reputation was now associated with Flowen.

Pierce said that Uhl was previously, and possibly still is, in the waste oil transporting business in New York and Pennsylvania. At least one company Uhl is connected with is Central Waste Oil of Rochester, NY. Pierce also mentioned a Pottstown, PA location.

ierce said that Uhl approached and negotiated with Flowen's majority stock-holders who are based in Texas and who are responsible for operating the Camden plant and arrived at an agreement which included the following, and possibly other, conditions:

- 1. Uhl was named general manager of Flowen's Camden facility and was given authority over the day to day operation of both the facility and the waste transportation end of the business.
- 2. Uh! leased 10 of his Central Waste Oil waste oil transporting varials to flowen and these vehicles were in turn licensed with the NJDEP to haul waste oil under Flowen's name. According to Pierce, one condition of this leasing arrangement was that Uhl be named genera! manager.

Pierce was very concerned about the above agreement because:

- 1. Even though Uhl's background and experience is as a waste hauler and not as a facility operator, Uhl insisted on being given the authority to run the facility.
- 2. He was concerned that Uhl may pick up some "bad" loads\_of waste oil and bring them to Flowen.

On 9/1/83, Pierce called me back and informed me that he gave Uhl a 30 day termination notice the day before (Wednesday, 8/31/83). He was able to do this, he said, because he convinced the Texas stockholder group that if

793

i how

Flowen wants to maintain a good image it should not employ someone with Uhl's questionable background. Pierce said that Flowen will no longer lease Uhl's vehicles but will attempt to purchase them outright. He also said that, in connection with this matter, Joseph C. Norman, a representative from the Texas stockholder group, was coming to the Camden facility on September 12.

On Monday, 9/26/83, I contacted Leonard Tritt of the Pennsylvania Department of Environmental Resources (PADER). He gave me the following information about Uhl which he personally knew about or which he obtained from Frank Murphy of the New York Department of Environmental Conservation (NYDEC).

Central Waste Oil, Inc. (CWO) is owned by Uhl. It is headquartered in Rochester, NY and has a terminal in Pottstown, PA. Uhl has a number of suspected or confirmed connections with other waste oil firms, namely:

- 1. Smith & Lockwood Oil (Uhl's sister-in-law, Lois Smith, is a business partner with Hoot Lockwood in this company)
- 2. Berks Associates (of Pennsylvania)
- 3. Booth Oil (NY)
- 4. Monoco Oil (NY)
- 5. Calleia Brothers (NY)

Tritt said that the NYDEC considers CWO "somewhat shaky" and CWO is the subject of some suspicions and/or investigations in PA and NY.

#### Comments

My major concern about this matter is that someone might have been behind Uhl's efforts to get a position of responsibility with Flowen, or may have even coerced Uhl to do what he did. This is where DCJ may come in.

795



7 1

Some white copy

# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF WASTE MANAGEMENT

#### NOTICE OF VIOLATION

NAME OF FACILITY Flower C. 1 De	· · · · · · · · · · · · · · · · · · ·
LOCATION OF FACILITY 1800 CARMAN Ave.	
NAME OF OPERATOR TIM CACCE	se, Production Mgr.
You are hereby NOTIFIED that during my inspe	ection of your facility on the above date, the following
violation(s) of the Solid Waste Management Act,	(N.J.S.A. 13:1E-1 et seq.) and Regulations (N.J.AIC: 17-14)
7:26-1 et seq.) promulgated thereunder and/or ti	ne Spill Compensation and Control Act, (N.J.S.A.
58: 10-23.11 et seq.) and Regulations (N.J.A.C. 7	':1E-1 et seq.) promulgated thereunder were observed.
These violation(s) have been recorded as part of	the permanent enforcement history of your facility.
DESCRIPTION OF VIOLATION Flou	en Oil trucks with livere
place & V D76 KS-no i	reliche letters on end of SWA reg.
number and XD81KS-mo	SWA number on truck.
@ Manifeste NJ 0191	1994, 0192205; and 0151214
do not lave g	994, 0192205; and 0151214 everator EPA ID numbers.
Barrier M. 1	be initiated immediately. The issuance of this docu-

penalties, with respect to this or other violations. Violations of these regulations are punishable by

Bruce Venny

Investigator, Division of Waste Management Department of Environmental Protection

penalties of \$25,000 per violation.

#### NOTICE OF VIOLATION

ID NO. 04-08B	DATE	12/9/83	
NAME OF FACILITY Flower		Carp.	
LOCATION OF FACILITY 1800	Carmon Ave.	Canden	
NAME OF OPERATOR Tim	Checese		
•			

You are hereby NOTIFIED that during my inspection of your facility on the above date, the following violation(s) of the Solid Waste Management Act, (N.J.S.A. 13:1E-1 et seq.) and Regulations (N.J.A.C. 7:26-1 et seq.) promulgated thereunder and/or the Spill Compensation and Control Act, (N.J.S.A. 58:10-23.11 et seq.) and Regulations (N.J.A.C. 7:1E-1 et seq.) promulgated thereunder were observed. These violation(s) have been recorded as part of the permanent enforcement history of your facility.

DESCRIPTION OF VIOLATION Excessive arounts of sil
I his violation also noted on report of
This violation also noted on report of
11/1/83.
(Added at Red Lion Office after inspection) was violation
(Added at Red Lion Office after inspection) to millation of 587:26-9.2(A)2 and NJSA 58:10-25,11c)
NJSA 58:10-23.11e

Remedial action to correct these violations must be initiated immediately. The issuance of this document serves as notice to you that a violation has occurred and does not preclude the State of New Jersey, or any of its agencies from initiating further administrative or legal action, or from assessing penalties, with respect to this or other violations. Violations of these regulations are punishable by penalties of \$25,000 per violation.

Investigator, Division of Waste Management
Department of Environmental Protection

**NEW JER.** 

DEPARTMENT OF ENVIRONMENTAL PRC OTIO

### NOTICE OF VIOLATION

ID NO. 04-086	3	· ,	DATE	12/15/17		·
NAME OF FACILITY _	Flower	oil Del	Val. C	lorp.		<u>-</u>
LOCATION OF FACILITY	1800	CATHON	Ave	Camder	<u> </u>	
NAME OF OPERATOR	Jim	CARCEST	<del>-</del>			
You are hereby NOTIF violation(s) of the Soli 7:26-1 et seq.) promule 58:10-23.11 et seq.) ar	d Waste Mar gated thereund nd Regulation	nagement Act, (N. under and/or the S ons (N.J.A.C. 7:18	J.S.A. 13:16 Spill Comper E-1 et seq.) p	E-1 et seq.) and esation and Cor promulgated the	l Regulations (N. ntrol Act, (N.J.S. ereunder were ob	J.A.C. A. served.
These violation(s) have	been record	ded as part of the	permanent (	enforcement hi	story of your fac	ility.
DESCRIPTION C	F VIOLATIO	NO Excel	ue on	nount-of	' sil	
con co	round	on th	Ca	mon Are	side_	
of the	MADON	ing Tank	Llow	. Chia	inolation	
noted	in ner	eorte of "	117/83	and 12/	2/83.	
a Diel	· · ·	ection (	کمی معا	+ Res	t us to	
dati	- las	t entry	12/13/	83.		

Remedial action to correct these violations must be initiated immediately. The issuance of this document serves as notice to you that a violation has occurred and does not preclude the State of New Jersey, or any of its agencies from initiating further administrative or legal action, or from assessing penalties, with respect to this or other violations. Violations of these regulations are punishable by penalties of \$25,000 per violation.

Investigator, Division of Waste Management
Department of Environmental Protection

## Flowen Oil Delaware Valley Inc



1800 Carman Street, Camden, N.J. 08105 • Telephone (609) 365-5544

January 12, 1984

Mr.Ben Esterman
New Jersey Department of
Environmental Protention
Division of Waste Management
32 E. Hanover Street
CN-027
Trenton, New Jersey 08625

Dear Esterman,

On January 11, 1984 a Yardman overfilled tank #2 in our waste oil form. He was unloading a truck into #2 and did not realize how full the tank was when he started. Approximately 25 gallons was discharged. The entire discharge was contained within our waste oil form. Appropriate steps were taken to clean up the mess.

Sincerely,

James Caccese

Production Manager

JC/sw

0408B

#### INCIDENT REPORT

Ţ

NE

DATE	
INCIDENT REPORTED BY:	
NAME Jim Caccese the Truton Dispatch 365-5544	$\neg$
AFFILIATION Caccese the Truston Dispatel 365-55-44	-
STREET	$\dashv$
CITY STATE ZIP CODE	$\dashv$
INCIDENT LOCATION:	
NAME PHONE	
STREET UTM VERT UTM HÖRIZ SIO 101 C.A.R.M.E.W. A.U.E.	١
CITY COUNTY STATE ZIP CODE	
SOURCE OF SPILLED AND/OR DISCHARGED SUBSTANCE: Confirmed Alleged More Than 1 Source	_
Same as IL	
CONTACT	
STREET DEP COMPANY NO.	$\exists$
CITY COUNTY STATE ZIP CODE	
SUSPECTED SPILLED AND/OR DISCHARGED SUBSTANCE: Confirmed Alleged More Than 2 Substances	<b>_</b>
1. Waste O-D	٦
1. Waste O-D  AMOUNT SPILLED /5-20 gallon UNITS A/P/E S/L/G/M	Ď
SUBSTANCE NO.	7
AMOUNT SPILLED UNITS A/P/E S/L/G/M	뮈
DATE OF INCIDENT  TIME (Military) - 2 Am TEMP. WEATHER WIND (Dir. & Vel.)  SPILL ORIGIN  CODE	$\neg$
SPILL ORIGIN  CAUSE  CAUSE  CAUSE  CODE  L  CODE	
CAUSE /	寸
WATER BODY AFFECTED CODE	$\dashv$
ASSOCIATED FIRE AND/OR HAZARDS	-
INCIDENT REFERRED TO:	
AGENCY	$\neg$
CONTACT AGENCY CODE	$\dashv$
PRIMARY D.W.M. INVESTIGATOR  [1210] SI Grange & Venne	
NO FURTHER ACTION    1/2   0   5   Green   DATE   1/3   - 1/7   - 1/8   Y	$\dashv$
COMMENTS:	
Material west in trends wester and about to I	$\neg$
Material went intrusted system and about & Sum orcovered Occording & Trenton Dispatch spill was reported at 1423 hour	$\dashv$
	岗
	7

1-0138



### State of New Jersen

#### **DEPARTMENT OF ENVIRONMENTAL PROTECTION**

DIVISION OF WASTE MANAGEMENT 120 Rt. 156, Yardville, N.J. 08620

DR. MARWAN M. SADAT, P.E. DIRECTOR

LINO F. PEREIRA
DEPUTY DIRECTOR

MAR 19 1984

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

NOTICE OF VIOLATION AND OFFER OF SETTLEMENT

DWM Case #83-12-15-04S

Flowen Oil Delaware Valley Corp.
William T. Cahill Jr., Registered Agent
25 Chestnut Street
Haddonfield, New Jersey 08104

Dear Mr. Cahill:

On or before December 15, 1983, as a result of negligence, on the part of Flowen Oil, a hazardous substance (waste oil) was discharged, at the Flowen Oil Facility, located at 1800 Carmen Avenue, Lot 1, Block 1431, in the City of Camden, Camden County, onto the ground from which it might flow or drain into the waters of the State of New Jersey.

The incident summarized above was investigated by members of the Division of Waste Management, who determined that the following provisions of the Spill Compensation and Control Act and regulations promulgated thereunder were violated:

N.J.S.A. 58:10-23.11c

Discharging Hazardous Substances

N.J.S.A. 58:10-23.11e/

N.J.S.A. 58:10-23.11u

Failure to Immediately Notify the Department of the Discharge [See N.J.A.C. 7:1E-2.1(a)]

The above cited violations carry maximum statutory civil penalties of \$25,000 per day for each violation.

Mr. William T. Cahill Jr. Flowen Oil Delaware Valley Corp. Page 2

In accordance with the recommendations of the Department of Environmental Protection, and pursuant to the authority vested in me as Administrator of the New Jersey Spill Compensation and Control Fund by N.J.S.A. 58:10-23.11q, I am amenable to compromise and settle these claims for penalties for the sum of \$2,375.00.

Should you decide to settle this matter, payment must be made within fifteen (15) days of your receipt of this letter. Payment must be sent to the Administrator, New Jersey Spill Compensation Fund, Department of Treasury, 135 West Hanover Street, Trenton, New Jersey 08625. Only checks or money orders drawn to the order of "New Jersey Spill Compensation and Control Fund" will be accepted. Your cancelled check or money order will serve as your receipt.

Should you decide not to accept this settlement offer or fail to forward payment within fifteen (15) days of receipt of this letter, this offer is rescinded, and this matter will be referred to the Office of the Attorney General with instructions to initiate a legal action for the maximum allowable penalty.

Acceptance of this settlement offer will satisfy your liability for civil penalties in connection with the above cited violations but will not relieve you of any other responsibility or obligation under the law, including the responsibility to pay for any damages which may have been caused by the discharge.

If you wish to make any inquiries or discuss this settlement offer, you may contact David J. Shotwell, Chief, Bureau of Compliance and Enforcement, Division of Waste Management, at 120 Route 156, Yardville, New Jersey 08620 or at (609) 292-5560.

Very truly yours,

New Jersey Spill Compensation and Control Fund

Recommendation Approved By:

Joseph A. Rogalski

Assistant Director

Division of Waste Management

N.J.D.E.P.

F01:F013:1mc

Etite ne Mem metatil

# EPARTMENT OF ENVIRONMEN .L PROTECTION DIVISION OF WASTE MANAGEMENT

ON OF WASTE MANAGEMENT SOUTHERN REGION Date: 4/19/84

Time A. \_ved:/oxo

Time Departed: 1130

Polit

	resentative: Jim Cacces c
Aderess: 1800 Carman Avenue, Camden, N.J. 08105	Position: Operator
Facility Type: Treatment, Storage, Reclamation	Inspector: Bruce Venner
EPA ID #: NJD980536577	File No.: 0408B
Lot: 1	<b>Block:</b> 1431
Weather Conditions: Mostly Sunny Wind Direction: W	Speed: 5-10 MPH: Temp: 55°F
Operating Authorization	
Facility is operating under (type of authorization):	AED CAR
Summary of Inspection (check appropriate statement)	
Facility: is in compliance with operating authorization is not in compliance with operating authorization	1:
	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
Facility: is in compliance with NJAC Title 7, Chapter 2 is not in compliance with the following statu	te provision(s):
Overall housekeeping: Poor Fair	0. 1
In ction Observations	Good
1. Does the treatment process (including storage tanks)	Yes No N/A
system show any signs of ruptures, leaks, or corrosi	on?
If yes, explain.	
•	·
2. Spills. If yes, explain. On 4/17/8-1 a he	
ruptured causing a spill-see	
comment #1.	
3. Odors. If yes, explain. normal process ode	
Merria Mares our	45
Container Storage: (7:26-9.4(d)	<del></del>
2	<u>.</u>
Drum No Stack Height/	Storage Methods on concert
Do the containers appear to be in good condition, not	
in danger of leaking: If no, explain in detail.	
	· .
All ll containers closed except those in use?	
Are incompatible wastes stored separate from each other?	
Adequate aisle space?	
Are containers stored according to waste characterization	n?

· ·	Yes	No	N/A	
Is each contianer marked or labeled with the words "Hazardous Waste" and in compliance with the DOT labeling requirements:			• •	
- generator name - address - UN, NA number	4			
- DOT shipping name - EPA ID number - manifest number	PRKK	•		
Vehicles: (7:26-7.1 and 7.5)	-			
alid registration card				
Numbers displayed properly placarded		******	4	
manifests: (7:26-7.4, 7.5 and 7.6)				·
bes each manifest have the following information	1?			
The generators name, mailing address, telephone number, EPA ID number and signature?			·	
rne transporters name, EPA ID number and signature?				
LAA transporter registration number?				
e name, address, EPA ID number of the signated facility and signature?	· _			
description of the wastes (DOT)?		-	-	
the total quantity of each hazardous waste?				,
s the generator received signed copies (romthe TSDF) of all the manifests for taste shipped off site more than 35 days ago?				
Record Keeping: (7:26-9.4 (f and i)	 ,			
e the following being kept properly?		·	•	•
Daily inspection log? Daily operating log? Waste inventory log?	7			· · · · · · · · · · · · · · · · · · ·
amples taken: yes no number of samples	s ·			
hotographs taken: yes no				81
Bruce Venney  Inature of Inspector  Signature of	C. Paci	cel	12	<b>1</b>

Signature of Facility Representative

EPA ID # NJD.980536577

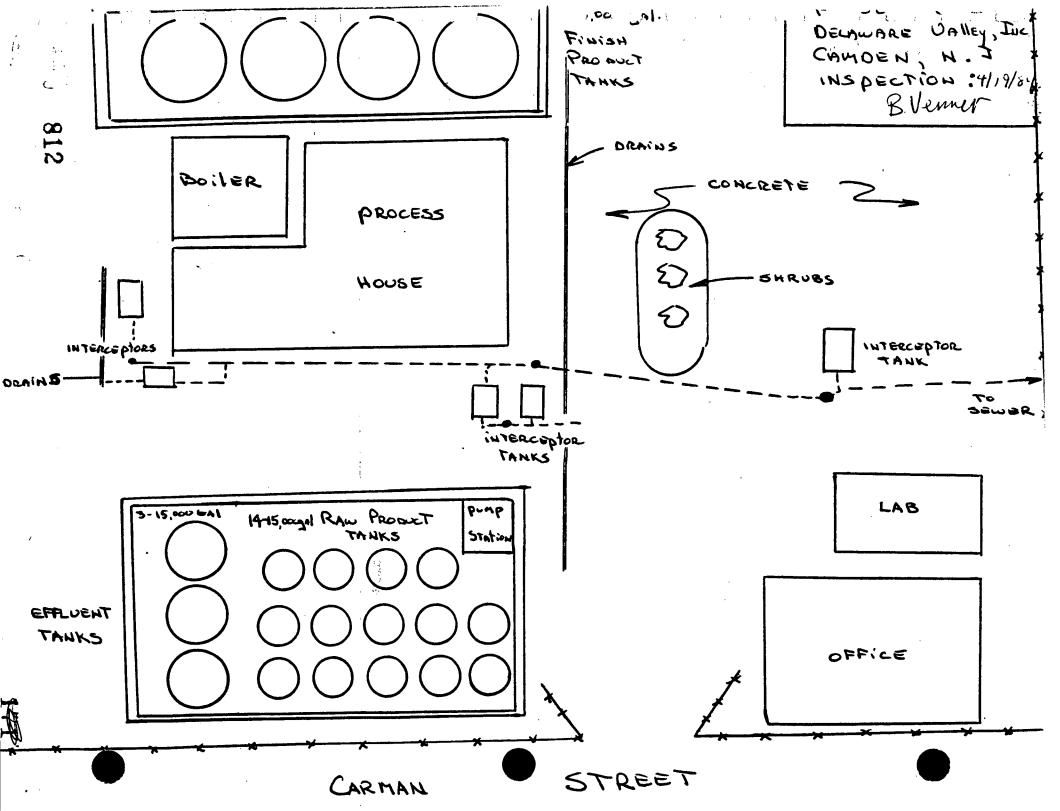
DATE OF INSPECTION 4/19/84 rILE NO. 0408B

1

COMMENTS,	OBSERVATIONS,	SUMMARY

Signature of Inspector

COMMENTS, OBSERVATIONS, SUMMARY
Alose ruptured on 4/17/84 resulting in a spill outsid
the contamnent area The scaled material was
cleaned up and placed in sludge driver and are
currently being stoud on site. No molation
issued.
& Bailer pump repaired and operational.
3 New level control from installed on the experiente
high touch Dant the till on the capinents
break touch. Der system eitilizes a variable
expeed pump as apposed to the 2 spied " pump.
Bubbles system still operational but will be
disconnected as soon as new level control is broked
uf.



# $\underline{\mathtt{C}}\ \underline{\mathtt{O}}\ \underline{\mathtt{N}}\ \underline{\mathtt{F}}\ \underline{\mathtt{I}}\ \underline{\mathtt{D}}\ \underline{\mathtt{E}}\ \underline{\mathtt{N}}\ \underline{\mathtt{T}}\ \underline{\mathtt{I}}\ \underline{\mathtt{A}}\ \underline{\mathtt{L}}$

## Recommendations

Subject:	Flower (	Dil Del	VAL C	STD.	Date:	4/19/84
				7		
action	as a	result	of	this	) admin inspect	ion.
					•	
	·	¥.,				
·		·		<del></del>		
		4				
			·		·	
			·			
				and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s		
<del></del>			· · · · · · · · · · · · · · · · · · ·			
	<del>,</del> , , , , , , , , , , , , , , , , , ,			· · · · · · · · · · · · · · · · · · ·		
						-
					· · · · · · · · · · · · · · · · · · ·	<u> </u>

. t.

## Flowen Oil Delaware Valley Inc



1800 Carman Street, Camden, N.J. 08105 • Telephone (609) 365-5544

July 26, 1984

NJ DEP Southern Regional Office 100 Larwin Road Cherry Hill, NJ 08034

Attention: Mr. David Bute

#### Report of Spill

At approximately 6:00 AM on July 25, 1984, a spill of Flowen Oil (recycled used oil) occured at the corner of Haddon Avenue and Market St. in the City of Camden, NJ.

The driver of the vehicle Richard Murphy, immediately notified our Camden facility and a vehicle was dispatched to pick up as much oil as possible. Camden City Police Officer D. Darwerk Badge # 515 attended and called on the Camden County Highway Department to clean up the oil spilled on the highway, an amount of approximately 5 gallons. They attended the scene and sanded the oil, none of which entered the City sewer system.

The vehicle in question a Ford tractor license plate # XE85JP and the 7000 gallon trailer were returned to our facility at Carman Street and all remaining oil was cleaned off before the vehicle resumed its schedule.

SEE

The reason for the spill was that a 3" cap on the top of the trailer had been left off and on turning from Haddon Ave. to Market St. some oil had come out of the opening pipe.

David Bute the Duty Officer at DEP Southern Field Office telephone number 609-859-2958 was contacted and the spill reported.

Environmental Protection Agency Region II Office New York City, John LaPadula telephone number 212-548-8730 was contacted and given the requested information on the spill.

Our own employees then sweep up and collected the contaminated sand and returned it here to our Camden location where it is presently in drums. It will be disposed of through our normal solid waste contractor, Delaware Container Co. Inc. (West 11th Ave. and Valley Road, Coatsville, PA. telephone number 215-383-6600, contact person - Mike Canale) under a New Jersey Hazardous Waste Manifest.

In conclusion the spill was dealt with in a satisfactory manner with no residue remaining and the resultant contaminated material will be disposed of through the correct channels. No danger exists to water ways since none of the oil was spilled near a city sewer, and no rain fell during the incident, or the subsequent cleanup operation.

Sincerely yours,

Archie Bilsland General Manager

AB/sw

# Flowen Oil Delaware Valley Inc



1800 Carman Street, Camden, N.J. 08105 • Telephone (609) 365-5544

August 9, 1984

Mr. Ben Esterman New Jersey Department of Environmental Protection Division of Waste Management 32 E. Hanover Street CN-027 Trenton, NJ 08625

Dear Mr. Esterman,

On August 6, 1984 we experienced a tank overfill. This occured at approximately 4:45 pm while an operator was transferring material from B tank into tank 12. Approximately 15-20 gallons of oil was discharged thru the air vent on top of tank 12.

The DEP was notified immediately at the 24 hour emergency spill phone number. The spill was cleared up within 4 hours. Please feel free to contact me if I can be of further service in this matter.

Sincerely,

James Caccese

Production Manager

JC/sw

# Flowen Oil Delaware Valley Inc



1800 Carman Street, Camden, N.J. 08105 • Telephone (609) 365-5544

October 8, 1984

Mr. Ben Esterman NJDEP Division of Hazardous Waste Engineering 32 East Hanover Street Trenton, NJ 08625

Dear Mr. Esterman,

On September 10, 1984 at approximately 10:30 am Tank #6 in our waste oil farm, was overfilled. Approximately 75 to 100 gallons of material was discharged. This happened within a contained area therefore there was no danger to the environment and no hazard to human health. No injury occured during this discharge.

This overfill was caused by a Yardman not paying attention to his duties while the tank was being filled from a vehicle unloading. There was no mechanical failure of the level indicator in the tank.

The excess oil was immediately squeeged into the sump area of the tank farm. From here it was pumped into tank #4. The tank exterior was then high pressured washed to clean off any oil residual left. All the material that was discharged was recovered.

The problem of tank overfill has been a recurring problem. The steps outlined in my letter of September 7, 1984 had not yet been fully implemented when this incident occured. However, after this incident we had various training sessions in which safety, emergency and most importantly tank overfills were discussed. These sessions were attended by all plant employees. Also, the employee who was responsible for this overfill was given a letter of reprimand.

These steps will deter this problem from happening in the future.

Sincerely,

James Caccese

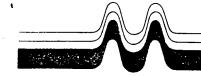
Production Manager

JC/sw

ري **8**20

149

# Flowen Oil belaware Valley Inc



1800 Carman Street, Camden, N.J. 08105 • Telephone (609) 365-5544

Fresh stil

August 21, 1985

Department of Environmental Protection Division of Waste Management Southern Field Office RD #1, Route 70 Vincentown, NJ 08088

Attention: Mr. Frank Hartman

Re: Spill Incident

EPA ID # NJD980536577

Dear Mr. Hartman:

Please find attached a report of a spill which was reported to Mr. Bruce Venner at your office by telephone at approximately 10:30 AM on August 21, 1985.

Sincerely yours,

Archie Bitsland General Manager

AB/ssw

Enc.

Bob Rittner called me at home at approximately 8:30 PM on above date and reported the following:

Camden City Fire Department had been called to a spill at 29th and Federal, Camden, yard of Penn Jersey Auto, at a location where we store 2 empty trailers. Valve had been opened by vandals and oil (perhaps 10 gallons) has been spilled onto ground (asphalt) and a small amount (perhaps 2 gallons) had spilled onto neighbors land adjoining. Local resident had called out fire service who called out Bob Rittner. Rittner had J. Leech cleaned up all free oil, none of which entered city sewer system.

On the morning of 8/21/85, the contaminated dirt on the resident's land was drummed (approximately  $\frac{1}{2}$  drum) and the dirt will be replaced at the earliest opportunity.

A few months ago, a resident of a property adjoining the Penn-Jersey facility approached the Camden City Fire Service with concern over the tank-trailers parked at the Penn Jersey facility. At that time, we visually inspected the trailers and drained the residual oil contained in the tanks. The fire marshall declared himself satisfied that no potential for oil spillage existed. In the intervening period a person or persons unknown has placed approximately 500 gallons on one of the trailers without our knowledge or authority, and it was the oil which created the spill incident.

We have now removed the two tank trailers from the Penn Jersey facility and parked them at our main Camden recycling facility.

M)



Form VSC-005 4/85

#### NEW JENSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

#### INCIDENT NOTIFICATION REPORT

TRENTON DISPATCH DIV. OF WASTE MANAGEMENT DIV. OF E	NVIR QUALITY DIV OF WATER RECOURCES
<del>_</del>	CENTRAL SOUTHERN
TIME /334 REC'D  ATE (0.3) (0.7) (1.87) (Military) (1.8145) 34 34 466	PHONE
	03 67 02s
NAME Mr. Bilstand thru TD	PHONE
STREET 1800 Common St	
CITY Camden	STATE
AFFILIATION	
NATURE OF INCIDENT:  EMERGENCY:   FIRE   EXPLOSION   DRUMS   SPILL  COMPLAINT:   SMOKE   ODORS   DUST   SEWAGE    OTHER:	□ NUISANCE □ ILLEGAL DUMPING
NCIDENT LOCATION: FElowen Oil	JUNK PHONE 365-5544
STREET	
CITY Canden COUNTY Camber	STATE ZIP CODE
	ntainment area-being
Curred up by formulary	CIDENT: (013)-(017)-(86) TIME: (1/13)01
AREA EVACUATED YES NO FIREM CONTAMINATION OF AIR LAND WATER ASSIST PUBLIC EXPOSURE YES NO	E AT SCENE YES MO MAN AT SCENE YES MO TANCE REQUIRED YES NO BLE WATER SOURCE YES NO INDUSTRIAL RURAL
OURCE OF INCIDENT/PROBLEM: PKNOWN - UNKNOWN	<b>v</b>
COMPANY NAME Same as 12	PHONE
CONTACT	TITLE
STREET	
CITY COUNTY	STATE ZIP CODE
DENTITY OF SPILLED AND/OR DISCHARGED SUBSTANCE:	OWN'''' D' ÜNKNOWN "
NAME OF SUBSTANCE Moureled ail	
NAME OF SUBSTANCE <u>ALCYCLOS DIL</u> AMT. 6500 - 7000 GP/E SUB	BSTANCE CONTAINED YES IN IN UNKNOW
PFFICIALS NOTIFIED. (A-310)	•
HEALTH DEPT.: PERSON CCHD Dave Sweeney LOCAL MUNIC.: PERSON	PHONE 757-8600 DATE 3-7-86
J	PHONE DATE
LOCAL MUNIC.: PERSON	
NCIDENT REFERRED TO:	□ F&G □ BAPC □ HD
NCIDENT REFERRED TO: BFO BERC DCJ DWR  1. PERSON Hartman 1191 I.K.	F&G BAPC HD
1. PERSON	F&G BAPC HD
NCIDENT REFERRED TO:   BFO   BERC   DCJ   DWR  1. PERSON   Hartman   191   I.K.	F&G BAPC HD
1. PERSON	F&G BAPC HD

U.S. BANKRUPTCY COURT EASTERN DISTRICT OF TEXAS

UNITED STATES BANKRUPTCY COURT

FOR THE EASTERN DISTRICT OF TEXAS

BEAUMONT DIVISION

JUN 2 4

IN RE:

FLOWEN OILS DELAWARE VALLEY, INC. d/b/a FLOWEN ENERGY CORP.

CHAPTER 11

**DEBTOR** 

جهيشوبك

#### VOLUNTARY PETITION UNDER CHAPTER 11

I.

Petitioner's address is 3302 Womack Road, P. O. Box 2440, Orange, Petitioner's Federal Identification Number is 22-234-46-10 and 74-212-1015.

II.

Petitioner has had its principal place of business (headquarters), its officers, directors and principal management within this district for the preceding one hundred eighty (180) days immediately preceding the filing of this Petition.

III.

No other cases under the Bankruptcy Code initiated on a Petition by or against Petitioner is now pending.

IV.

Petitioner is qualified to file this Petition and is qualified to be a debtor under Chapter 11 or Title 11 of the Bankruptcy Code as a voluntary debtor.

٧.

Petitioner intends to file a plan pursuant to Chapter 11 of the Act.

VI.

Exhibit "A" is attached hereto and made a part of this Petition and is a list of Petitioner's larger creditors and their addresses.

WHEREFORE, Petitioner prays for relief under Chapter 11 of Title 11 of the Bankruptcy Code.

Respectfully submitted,

MOORE, LANDREY, GARTH & JONES

Floyd A Landrey State Car No. 11866000

285 Liberty, Suite 1900

Beaumont, Texas 77701

(409) 835-3891

ATTORNEYS FOR DEBTOR

Form DWM-002 B 2/84

# NEMERSEY DEPARTMENT OF ENVIRONMENTAL PROJECTION DIVISION OF WASTE MANAGEMENT 120 ROUTE 156, YARDVILLE, N.J. 08620

#### NOTICE OF VIOLATION

	# 04088	s 536577		DATE _ 8/25	1186	
NAME	OF FACILITY	FLOWEN	OIL DELA	WARE VA	LLEY INC.	
LOCA	TION OF FACIL	ITY 1800	CARMAN	ST. , CAR	ADEN, N. J. 0810	5
NAME	OF OPERATOR	AACHIE	E ROSS -	FACILITY	OPERATOR	

You are hereby NOTIFIED that during my inspection of your facility on the above date, the following violation(s) of the Solid Waste Management Act, (N.J.S.A. 13:1E-1 et seq.) and Regulations (N.J.A.C. 7:26-1 et seq.) promulgated thereunder and/or the Spill Compensation and Control Act, (N.J.S.A. 58:10-23.11 et seq.) and Regulations (N.J.A.C. 7:1E-1 et seq.) promulgated thereunder were observed. These violation(s) have been recorded as part of the permanent enforcement history of your facility.

DESCRIPTION OF VIOLATION NJAC 7: 36-13.1 (a) - COMPANY OPERATING

A HAZARDOUS WAETE FACILITY WITHOUT A PERMIT AND WITHOUT

STATUS. SPECIFICALLY, ME COMPANY ACCEPTED WASTE OIL

FOR TREATMENT ON 8127186 (MANIFEST NJAO331131) AND

OPERATED THE MECHANICAL EQUIPMENT DESIGNED FOR THE

TREATMENT OF WASTE OIL, EFFECTIVELY RESULTING IN THE

PRODUCTION OF PRODUCT OIL FOR SALE. NJAC 7: 36-9.8(b)

FAILURE TO BEGIN CLOSURE OF THE FACILITY UPON EXPIRATION

OF PERMIT. PERMIT EXPIRED 6110186

Remedial action to correct these violations must be initiated immediately and be completed by

S128 186 CEASE ALL. Within fifteen (15) days of receipt of this Notice of Violation, you shall submit in writing, to the investigator issuing this notice at the above address, the corrective measures you have taken to attain compliance. The issuance of this document serves as notice to you that a violation has occurred and does not preclude the State of New Jersey, or any of its agencies from initiating further administrative or legal action, or from assessing penalties, with respect to this or other violations. Violations of these regulations are punishable by penalties of \$25,000 per violation.

Investigator, Division of Waste Management
Department of Environmental Protection



#### **INSPECTION REPORT**

#### REPORT PREPARED FOR:

☑ Generator

**図 Transporter** 

☑ HWM (TSD) Facility

#### **FACILITY INFORMATION**

Name:	FLOWEN OIL DELAWARE VALLEY CORP.
Address:	1800 CARMAN STREET
	CAMBEN, N.J. 08105
··Lot:	1 Block: 1431
County:	CAMBEN
Phone:	(609) 365-5544
EPA ID#:	NJD980536577
Date of Inspection:	DECEMBER 2, 1986
•	
	PARTICIPATING PERSONNEL
State or EPA Personnel:	J. ALLEN - NIDEP
Facility Personnel:	A. Ross - FACILITY MGR.
	in an efficience (A. *
port Prepared by Name:	J. ALLEN
Region:	South
Telephone#:	(609) 859-295B
, Reviewed by:	Terry Os rander
	12/10/86

	FACILI	TY NAME:	FLOWER BIL DELAWARE VALLEY COR
	,	ADDRESS:	1800 CARMAN ST.
			CAMBEN N.J. 08105
TIME IN: 8915 Hours	j	COUNTY:	CAMDEN
TIME OUT: 1315 Houns	· . }	EPA ID :	NJD980536517
	DATE OF IN	SPECTION:	DEC. 2, 1986
PHOTOS TAKEN	☐ YES	Ø NO	
If yes, how many?			
•			
SAMPLE TAKEN	☐ YES	□ NO	NO. OF SAMPLES NA.
NJDEP ID#		. <del></del>	
•			
MANIFESTS REVIEWED	YES		
Number of manifests	in compliance	Au	<del></del>
Number of manifests	not in complia	ince No.	1 <u>6</u>
List manifest do	cument numb	ers of those	manifests not in compliance.
REVIEWED	MANIFEST	rs - 30c	(1985)

## **SUMMARY OF FINDINGS**

#### FACILITY DESCRIPTION AND OPERATIONS

834

FLOWER ON DELAWARE VALLEY CORPORATION IS A WASTE
OIL TREATMENT AND RECYCLING FACILITY LOCATED IN CAMDEN CITY
CAMBEN CO, N.J. THE FACILITY CONSISTS OF A WASTE STORAGE AREA
CONSISTING OF SIXTEEN (IL) 15,000 GALLON DERTICAL ABOVE GROUND
STORAGE TANKS, A PROCESS BUILDING, PRODUCT STORAGE AREA
CONTAINING FOUR (4) 25,000 GALLOW VERTICAL ABOVE GROUND STORAGE
TANKS A LABORATORY BUILDING A BOILER HOUSE BUILDING AND
FIVE (5) UNDERGROUND OIL WATER INTERCEPTOR TANKS.
THE OPERATIONAL PORTION OF THE TREATMENT FACILITY 19
FULLY CONCRETED AND ALL WATER LEAVING THE FACILITY GOES TO
THE CAMOEN CITY M.J.A.
FLOWER JOLUNTARILY CEASED OPERATION EARLY IN 1886 (JANUARY)
DUE TO UNSTABLE ON PRICES. DURING THIS TIME THE OPERATION
AUTHORIZATION UNDER WHICH THEY OPERATED EXPIRED ON 6/10/86
THE FACILITY REMAINED INOPERABLE UNTIL 11/18/86 WHEN AN
A.C.O. WAS SIGNED BETWEEN FLOWER AND N.J.D.E.P. AT THE TIME OF
THIS INSPECTION OPERATION HAD RESUMED ON A LIMITED BASIS.

I LEATWIENT H	NO RECYCLING OF	USED GILS RESI	70.1.5
GENERATION OF	- WASTE OIL FIL	TER SWOGES.	·
			.•
		•	
			•
entify the hazardous was	ste located on site, and es	timate the approximate	quantities of each.
lentify Waste Codes)	s maste On :		
•	S WASTE OIL:		· ·
		•	IGE TANKS-
X-1	121 X-722, X.724	X.725 X.726 X	1-727 X-728
	•	•	•
No Drums on	SITE AT TIME C	F INSPECTION.	
No Drums on	SITE AT TIME C	F INSPECTION.	
No Drums on	SITE AT TIME C	F INSPECTION.	
No Drums on	SITE AT TIME C	F INSPECTION.	
No Drums on	SITE AT TIME C	F INSPECTION.	
No Drums on	SITE AT TIME C	F INSPECTION.	
No Drums on	SITE AT TIME C	F INSPECTION.	
No Drums on	SITE AT TIME C	F INSPECTION.	
No Drums on	SITE AT TIME C	F IN SPECTION	
No Drums on	SITE AT TIME C	FINSPECTION	
No Drums on	SITE AT TIME C	FINSPECTION	
No Drums on	SITE AT TIME C	F IN SPECTION	
No Drums on	SITE AT TIME C	F IN SPECTION	
No Drums on	SITE AT TIME S	F INSPECTION.	

Chit.

836

837

# NEW JEASEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

CONFIDE

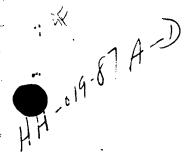
#### INCIDENT NOTIFICATION REPORT

☐ TRENTON DISPATCH ☐ DIV. OF WASTE MANAGEMENT ☐ DIV. OF ENVIR. QUALITY ☐ DIV. OF WATER RESOURCES ☐ HQ FIELD OFFICE: ☐ NORTHERN ☐ METRO ☐ CENTRAL ☐ SOUTHERN
DATE 12-15-86 TIME (Military) 13-50 BY 50+ PHONE 859-2958
INCIDENT REPORTED BY: CASE NO. \$ 6. 12.15.025
NAME Andrew CACCIA PHONE 582 - 2193 - Home
STREET
CITYSTATE
AFFILIATION Former Flower Employee - Almittelly has grudge
NATURE OF INCIDENT:  EMERGENCY:   FIRE   EXPLOSION   DRUMS   SPILL   DERAILMENT   MUA  COMPLAINT:   SMOKE   ODORS   DUST   SEWAGE   NUISANCE   ILLEGAL DUMPING  OTHER:
NAME (Site) UNK PHONE
STREET
CITY CAMPEN COUNTY CAMPEN STATE ZIP CODE
STATUS AT SCENE OF INCIDENT: Accepting loads of master oil was simulated to the Control of the Charles only maker tests of flash tests of freet waster that that the test test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test of the test
ANYONE HOSPITALIZED YES NO POLICE AT SCENE YES NO AREA EVACUATED YES NO FIREMAN AT SCENE YES NO CONTAMINATION OF AIR LAND WATER ASSISTANCE REQUIRED YES NO PUBLIC EXPOSURE YES NO RECEIVING WATER POTABLE WATER SOURCE YES NO WIND DIRECTION YES CITY NO PUBLICATION TYPE CITY NO PUBLICATION TYPE OF THE PUBLICATION TYPE OF THE PUBLICATION TYPE OF THE PUBLICATION TYPE OF THE PUBLICATION OF THE PUBLICATION TYPE OF THE PUBLICATION TYPE OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION OF THE PUBLICATION O
SOURCE OF INCIDENT/PROBLEM: SX KNOWN UNKNOWN
COMPANY NAME Flower Oil PHONE PHONE
CONTACT TITLE
11166
STREET
CITY COUNTY STATE ZIP CODE
CITY COUNTY STATE ZIP CODE  IDENTITY OF SPILLED AND/OR DISCHARGED SUBSTANCE:
CITY COUNTY STATE ZIP CODE  IDENTITY OF SPILLED AND/OR DISCHARGED SUBSTANCE:
CITY COUNTY STATE ZIP CODE  IDENTITY OF SPILLED AND/OR DISCHARGED SUBSTANCE:
CITY COUNTY STATE ZIP CODE  IDENTITY OF SPILLED AND/OR DISCHARGED SUBSTANCE:
CITY STATE ZIP CODE  IDENTITY OF SPILLED AND/OR DISCHARGED SUBSTANCE: KNOWN UNKNOWN  NAME OF SUBSTANCE A/P/E SUBSTANCE CONTAINED YES NO UNKNOWN  OFFICIALS NOTIFIED. (A-310)
CITY COUNTY STATE ZIP CODE  IDENTITY OF SPILLED AND/OR DISCHARGED SUBSTANCE:
CITY

838

1227

WW.





# State of New Jersey DEPARTMENT OF ENVIRONMENTAL PROTECTION

## DIVISION OF HAZARDOUS WASTE MANAGEMENT

John J. Trela, Ph.D., Acting Director 401 East State St. CN 028 Trenton, N.J. 08625 609 - 633 - 1408

IN THE MATTER OF FLOWEN OIL DELAWARE VALLEY, INC.,

A-NATIONAL CORPORATE DISPOSAL, INC.,

¿ DANIEL TARRATS a/k/a

Michael Danna

MARIE .

and ALBERT TARRATS a/k/a

Alan or Allan Carr

ADMINISTRATIVE ORDER,

NOTICE OF CIVIL ADMINISTRATIVE

PENALTY ASSESSMENT

AND

NOTICE OF INTENT TO REVOKE/DENY HAZARDOUS WASTE LICENSES

This Administrative Order, Notice of Civil Administrative Penalty Assessment and Notice of Intent to Revoke/Deny Hazardous Waste Licenses is issued pursuant to the authority vested in the Commissioner of the New Jersey Department of Environmental Protection (hereinafter "NJDEP" or the "Department") by N.J.S.A. 13:1D-1 et seq. and the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq., and duly delegated to the Assistant Director for Enforcement of the Division of Hazardous Waste Management pursuant to N.J.S.A. 13:1B-4.

#### **FINDINGS**

- 1. Flowen Oil Delaware Valley, Inc. (hereinafter "Flowen Oil") operates a hazardous waste facility, EPA ID #NJD980536577, as defined by N.J.A.C. 7:26-1.4, located at 1800 Carmen Street, City of Camden, County of Camden, State of New Jersey.
- 2. Flowen 011 operates its facility pursuant to a certificate of Approved Registration and Engineering Design Approval, issued by NJDEP on June 10, 1981, under Facility Registration No. 6408A, later amended to No. 0408B, and an Administrative Consent Order entered into on November 18, 1986. These authorizations are equivalent to a "license" as defined at N.J.S.A. 13:1E-127.g. Flowen 011 also holds a hazardous waste transporter license, No. S-8156, issued by NJDEP.
- National Corporate Disposal, Inc. (hereinafter "NCD") is a business entity with offices located at 560 Hudson Street, City of Hackensack, County of Bergen, State of New Jersey.
- 4. The owner and principal officer of NCD is Daniel Tarrats, also known as Michael Danna.
- 5. Albert Tarrats, also known as "Alan Carr" or "Allan Carr", is or has been an employee of NCD and has functioned as a manager of the company.

- 6. National Corporate Disposal, Inc., holds itself out to the public as engaged in the business of "brokering" the disposal of hazardous waste, that is, making arrangements between generators of hazardous waste and licensed hazardous waste transporters and TSD (treatment, storage or disposal) facilities for the disposal of hazardous waste.
- 7. Weither NCD nor any of its employees themselves hold any permit or license issued by NJDEP.

# PRIOR PERFORMANCE RECORD OF DANIEL AND ALBERT TARRATS

- 8. Between in or about August, 1979, and in or about the middle of 1982, Daniel Tarrats a/k/a Michael Danna, and Albert Tarrats a/k/a Allen Carr or Alan Carr, owned and operated a company known as the Barone Barrel and Drum Company or the Barone Hazardous Waste Management Corporation ("Barone"), with offices in the City of Paterson, N.J.
- 9. On or about October 7, 1981, in connection with an investigation conducted by the New Jersey Division of Criminal Justice, NJDEP, and the Passaic County Prosecutor's Office, search warrants were executed at warehouses controlled by Barone in Paterson and Newark.
- 10. Approximately 3,500 drums of flammable and hazardous waste were found to be stored in the Paterson facility, and 80 in Newark. Neither location had been lawfully registered with NJDEP as a hazardous waste storage facility.
- 11. As a result of the investigation, on October 3, 1983, a 34-count indictment, No. SGJ 105-83-5, was returned by the State Grand Jury, charging the Barone Hazardous Waste Management Corporation, Daniel Tarrats and Albert Tarrats, with the following crimes:

Count 1 - 2C:5-2 (Conspiracy)

Counts 2 - 2C:17-2

thru 4 (Unlawful Release & Abandonment of Harmful Substance)

Counts 5 - 13:1E-9.e.(2)

thru 7 (Illegal Disposal of Hazardous Waste)

Counts 8 - 13:1E-9.e.(2)

G 9 (Illegal Treatment and Storage of Hazardous Waste)

Count 10 - 2C:17-2

(Risking Widespread Injury & Damage)

Counts 11 - 2C:20-4

- 10 M

thru 24 (Theft by Deception)

Counts 25 - 13:1E-9.e.(1)

840 thru 34 (Illegal Transportation of Hazardous Waste)

12. On July 23, 1984, Albert Tarrats and Barone Hazardous Waste Management Corp. pled guilty to Count Eight of Indictment SGJ 105-83-5, which charged the defendants with illegal storage of hazardous waste. On March 20, 1985, the defendants were sentenced before the Honorable William J. Marchese, J.S.C., in Passaic County. At the time of sentencing, a consent judgment was entered into under which Albert Tarrats agreed to an injunction restraining him from further involvement in the hazardous waste industry. The injunction read as follows:

"The defendant, Albert Tarrats, is enjoined and restrained for a period of 10 years from holding any license in a hazardous waste business or from holding a position with any hazardous waste business as an officer, director, partner or key employee thereof, or from holding any interest whatsoever of that business concern unless the business is a publicly traded corporation, in which case he may hold not more than 5% of the equity or the debt liability of the business."

- 13. Following the discovery of the illegally stored hazardous waste in Paterson and Newark, NJDEP issued an Administrative Order to Barone requiring it to remove the waste to a lawful disposal facility, and to clean up the sites. NJDEP also filed suit in the Superior Court, Chancery Division, to compel compliance with the Administrative Order.
- 14. Barone on October 26, 1981, entered into an Interlocutory Consent Order to clean up the Paterson site, then failed to comply with the Order.
- 15. On January 5, 1982, NJDEP obtained an order from the Court authorizing it to clean up the Paterson site pursuant to the Spill Compensation and Control Act, N.J.S.A. 58:10-23.11 et seq.
- 16. As a result of Barone's illegal activities in creating the unauthorized storage sites, and the company's failure to clean them up, the Department revoked Barone's license to haul solid or hazardous waste, effective April 1, 1982. The grounds on which this action was based are set forth in a document entitled, "REVOCATION OF REGISTRATION TO COLLECT AND HAUL SOLID/HAZARDOUS WASTE," dated February 17, 1982.
- 17. Neither Barone nor either of the Tarrats' requested a hearing on the revocation notice, which therefore became a final action of the Department. The document is attached hereto and incorporated by reference.
- 18. Also as a result of Barone's activities, the Department was compelled to expend in excess of \$274,000 from the New Jersey Spill Compensation Fund ("the Fund") to clean up the warehouses and dispose of the wastes stored there.
- 19. Subsequently the Fund obtained a judgment in the amount of \$274,000 against Barone and Daniel Tarrats. This judgment has never been paid.
- 20. On February 3, 1982, the Department of Environmental Resources (DER) of the Commonwealth of Pennsylvania revoked Barone's authorization to transport hazardous waste in Pennsylvania because of a failure to provide required bonds and a contingency plan. A copy of the DER's action is attached. This was not appealed.

# This Page is Intentionally Blank

- 21. Based on the foregoing, the Department finds that Daniel Tarrats and Albert Tarrats, jointly and individually, in their prior performance fecords in the collection, transportation, storage or disposal of hazardous waste between 1979 and 1982, exhibited a serious lack of reliability, expertise and competence, warranting their disqualification from future licensing pursuant to N.J.S.A. 13:1E-133.a.
- 22. The Department further finds that the conviction of Albert Tarrats constitutes a disqualification under N.J.S.A. 13:1E-133.b.(19), since he was convicted under a criminal provision of the Solid Waste Management Act, a state environmental protection law. His conviction disqualifies any company that would have to list him in its disclosure statement, or in which he holds a beneficial interest, from holding a hazardous waste license.

# THE TARRATS' ACQUISITION OF INTERESTS IN FLOWEN OIL, AND FAILURE TO DISCLOSE THEIR INTEREST

- 23. Sometime between 1981 and 1984, Albert Tarrats began to use or resumed the use of the name, "Allan Carr", and Daniel Tarrats began to use or resumed the use of the name, "Michael Danna". For the sake of brevity, some references in this document to Daniel Tarrats a/k/a Michael Danna and to Albert Tarrats a/k/a Allan Carr may appear in the form "Michael Danna" or "Allan Carr" where appropriate to describe an event or period in which those individuals were using the names of "Danna" or "Carr".
- 24. On or about April 5, 1984, Daniel Tarrats a/k/a Michael Danna caused the organization and incorporation of National Corporate Disposal, Inc.
- 25. Since its inception, National Corporate Disposal (hereinafter: NCD) has held itself out as a "broker" dealing with the transportation and disposal of hazardous waste. NCD has entered into contracts for the transportation and disposal of hazardous waste, but so far as is known to NJDEP at this time, has subcontracted actual handling of hazardous waste to companies licensed by NJDEP.
- 26. On or about July 30, 1986, National Corporate Disposal, Inc. and "Michael Danna" entered into an "Agreement for Sale of Common Stock and Escrow Agreement" ("the Agreement") with Flowen Energy Corporation, the 100% owner of the stock of Flowen Oil Delaware Valley. Under this Agreement, Flowen Energy Corporation agreed to sell NCD and "Danna" 30% of Flowen Oil for approximately \$940,000, payable over three years. The Agreement also gave the buyers an option to purchase the other 70% of Flowen Oil stock for between \$2.8 million and \$3 million, depending upon when the option was exercised. The buyers were given the right to vote the stock, which was to be delivered to an escrow agent to hold pending final payment of the purchase price. The buyers obligated themselves to provide insurance for Flowen Oil and also agreed to:
  - "3. Assume sole and complete responsibility to obtain and/or renew any and all permits, licenses or other such authorizations which may be required to operate the [Flowen Oil] facility...

- 4. To provide [Flowen Oil] by personal loan or otherwise with a sufficient amount of working capital to pay all its bills and maintain a viable on-going operation..."
- 27. Following execution of the Agreement, NCD did pay virtually all bills subsequently incurred by Flowen Oil, including the salaries of Flowen Oil's employees and the fees of Flowen Oil's attorneys in connection with negotiation of the Administrative Consent Order of November 18, 1986.
- 28. Following execution of the Agreement, NCD did make payments to Flowen Energy Corporation in accordance with the payment schedule set forth in Section Three of the Agreement.
- 29. Under an addendum to the Agreement, likewise executed on July 30, 1986, Flowen Energy Corporation agreed to make Michael Danna vice-president of Flowen Oil and to let the buyers, that is, NCD and "Danna", operate the business without interference from the majority shareholders.
- 30. In effect, the Agreement and addendum turned control of Flowen Oil over to National Corporate Disposal and Daniel Tarrats a/k/a Michael Danna.
- 31. In or about the month of August, 1986, Albert Tarrats a/k/a Allan Carr joined the staff of National Corporate Disposal. Thereafter, Albert Tarrats exercised managerial prerogatives at NCD, including hiring and firing of employees.
- 32. On numerous occasions after execution of the Agreement on July 30, 1986, Daniel Tarrats a/k/a Michael Danna, Albert Tarrats a/k/a Allan Carr, and National Corporate Disposal exercised the prerogatives of management over Flowen Oil, including but not limited to the following: hiring and firing of Flowen Oil employees; decisions about equipment and financing, about wastes to be handled by Flowen and/or in Flowen's name, and as to what information should be communicated to NJDEP in the course of negotiations for the facility's permits.
- 33. Also on numerous occasions, "Danna", "Carr", and other employees of NCD represented to clients, customers and the general public that NCD did in fact own, operate, control or have an interest in a waste oil treatment facility named Flowen Oil.
- Based on the above, the Department finds: (a) that on or after July 30, 1986, Flowen Oil underwent a change of ownership or operational control; (b) that Daniel Tarrats a/k/a Michael Danna became an officer and/or functioned in a manner that made him a "key employee" (as defined at N.J.S.A. 13:1E-127.f.) of Flowen Oil; (c) that Albert Tarrats a/k/a Allan Carr functioned in a manner that made him a "key employee" of Flowen Oil; (d) that National Corporate Disposal and Daniel Tarrats a/k/a Michael Danna acquired an equity interest in Flowen Oil; and (e) that Daniel Tarrats and Albert Tarrats acquired a "beneficial interest" in the business of Flowen Oil. The "beneficial interest" included, among other things, the voting rights, contract rights and practical control of Flowen Oil that flowed from the Agreement described in paragraph 26, together with the profit-making opportunities that control gave them directly and in connection with the operation of NCD.

- 35. The acquisition of the beneficial interest described above, in the case of Albert Tarrats a/k/a Allan Carr, violated the injunction described in paragraph 12 above.
- 36. Pursuant to N.J.A.C. 7:26-12.5(b), a permitted TSDF must notify the Department at least 180 days prior to any proposed change of ownership or operational control. Flowen Oil has not notified the Department of any change of ownership or operation control, nor has NCD.
- 37. Pursuant to N.J.S.A. 13:1E-128 and N.J.A.C. 7:26-16.6, applicants for and holders of licenses to operate hazardous waste facilities must submit to the Department a disclosure statement, listing among other things the names and positions of all stockholders, company officers and key employees. This disclosure information must be updated within 30 days of any material change.
- 38. On November 2, 1984, Flowen 0:11 submitted a disclosure statement to NJDEP in which there is no mention of involvement in the company's ownership or management by National Corporate Disposal, Daniel Tarrats, Albert Tarrats, "Michael Danna" or "Allan Carr". To date, no amended disclosure information has been submitted by Flowen 0:1, with the exception of a letter noting the name change of plant manager Archibald Bilsland, to Archie Ross.
- 39. Between July 30, 1986 and November 18, 1986, Flowen Oil was negotiating with the Department for the Administrative Consent Order (ACO) entered on November 18, 1986. A copy of this document is attached.
- 40. During the period of negotiations for the ACO, Flowen Oil and NCD both failed to disclose that substantial control of Flowen Oil had been given to NCD and Daniel Tarrats a/k/a Michael Danna. This was concealment of a material fact, for had the Department been aware of "Danna's" role in Flowen, and that "Danna" was Tarrats, the Department would have denied Flowen's hazardous waste license application based on Tarrats' previous record in the operation of Barone.
- 41. This concealment amounted to "fraud, deceit or misrepresentation" in securing a license, or the equivalent to a license.
- 42. In granting operational control and managerial authority to NCD and "Michael Danna", Flowen Oil made NCD and Daniel Tarrats its actual or de facto employees or its agents. Flowen Oil is therefore liable for actions taken by NCD and Daniel Tarrats within the scope of that authority. With respect to the regulations of the Department, the real or apparent authority of a vice—president of a corporation that holds a hazardous waste facility permit generally includes the authority to sign or to cause the preparation and filing of hazardous waste manifests on the facility's behalf.

#### THE KENTILE FLOORS CLEANUP JOB

43. In October, 1986, Kentile Floors of South Plainfield contracted S & D Engineering Services, Inc. (hereinafter "S & D") to remove contaminated soil resulting from the dumping of an unknown petroleum product on its property. S & D hired National Corporate Disposal as a "broker" for the job. NCD in

- turn hired two registered transporters, Merola Enterprises, Inc. and National Waste Disposal, Inc. to remove the material.
- 44. While Kentile Floors was told by S & D that the material was being taken to Flowen Oil in Camden, N.J. for treatment or disposal, NCD in fact arranged to have it taken to Wayne Disposal, Inc., a landfill in Michigan, using Flowen Oil's waste approval code, #2679, to allow immediate acceptance of the hazardous waste.
- 45. Ten truckloads of petroleum-contaminated soil were transported from Kentile Floors to Wayne Disposal by Merola Enterprises, Inc. Five truckloads left Kentile on Friday, October 17, 1986, and five more left on Monday, October 20.
- 46. NCD prepared ten New Jersey hazardous waste manifests and ten Michigan hazardous waste manifests corresponding to these truckloads. The New Jersey manifests were numbered NJA0123511 thru -516, and NJA0213518, -521, -523, and -525. The Michigan manifests were numbered MI0673874, -878 thru -881 and MI0861030 thru -033.
- 47. NCD employees prepared the New Jersey manifests with typed information indicating the transportation from Kentile Floors to Flowen Oil's facility in Camden of "Hazardous Oil Sludge N.O.S." They prepared the Michigan manifests with typed information indicating the transportation from Flowen Oil in Camden to Wayne Disposal of "Non-hazardous Oil Sludge N.O.S."
- 48. The preparation of the manifests described above was done at the direction of Daniel Tarrats a/k/a Michael Danna.
- 49. NCD employees, at Daniel Tarrats' direction (and/or Daniel Tarrats himself), caused the forged signature of Linda Lambert, a secretary at Flowen Oil, to be placed upon the Michigan manifests described above (in the box for the generator's certification) and on five of the New Jersey manifests (in the box for the facility operator).
- 50. At Tarrats' ("Danna's") direction, Scott White, a Merola Enterprises employee, signed the other five New Jersey manifests in the box for the facility operator.
- 51. Again, at Tarrats' ("Danna's") direction, an NCD employee on October 17, 1987, and Scott White on October 20, presented both sets of manifests to Merola Enterprises' drivers at or near the Kentile job site, and secured the drivers' signature thereon.
- 52. Copies of the New Jersey manifests were left with Kentile Floors, while copies of the Michigan manifests were sent on to Wayne Disposal with the drivers.
- 53. The copies of the manifests intended for filing with the respective State government agencies were returned to the offices of NCD.
- 54. NCD arranged for the New Jersey manifests to be filed with the Department, and for copies indicating receipt at Flowen Oil to be mailed back to Kentile Floors.

- The contaminated soil was manifested in the manner described above because 55. NCD could not have gotten Wayne Disposal to accept it directly without first submitting time-consuming and costly chemical analyses. By passing it off as a recognized waste stream from Flowen Oil, NCD was able to get it into Wayne Disposal immediately.
- 56. The contaminated soil was falsely described as "hazardous oil sludge" on the New Jersey manifests; under the terms of its Engineering Design Approval from the Department, dated April 19, 1983, Flowen Oil could accept pumpable sludge but not solids.
- An 11th shipment of contaminated soil from Kentile Floors was transported to Wayne Disposal by National Waste Disposal, Inc. on or about November 3, 1986. National Waste was hired by "Mike Danna" of NCD.
- 58. A similar scheme of false manifests was employed. A New Jersey manifest, NJA0181510, was started by a National Waste employee but completed by another at "Danna's" direction, listing Flowen Oil as the destination. A corresponding Michigan manifest, MI0879902, was filled out by the National Waste employee, following "Danna's" instructions, indicating Flowen Oil as the generator and Wayne Disposal as the destination.
- 59. At "Danna's" instruction, the National Waste Employee signed the manifests for Flowen Oil, using "Mike Danna's" name.
- 60. In reality, the waste material traveled from Kentile Floors to National Waste's yard in Trenton, and then on to Wayne Disposal. National Waste did not transport the materials described on the manifest to or from Flowen Oil.
- The net effect of the manifest falsifications described above was to leave Kentile Floors and NJDEP with the false impression that Kentile's waste had gone to the Flowen Oil facility, and to give Wayne Disposal, NJDEP and the Michigan Department of Natural Resources the impression that the waste Wayne Disposal received had come from Flowen Oil and was oil sludge rather than contaminated soil.
- Over and above the regulatory violations, these deceptions constituted 62. "fraud, deceit or misrepresentation" in the conduct of Flowen's licensed activity by its agent, "Danna".

### THE ANDY'S BODY SHOP CLEANUP JOB

- In November, 1986, NCD, through a contractor named Larry Tyree, was hired to arrange for the transportation and disposal of petroleum product contamination soil from Andy's Body Shop in Oceanside, N.Y.
- 64. -NCD again contracted with Merola Enterprises, Inc., for the transportation and arranged for the material to go to Wayne Disposal, Inc.
- As with the Kentile Floors job, two sets of manifests were used to give the appearance that "sludge" from Andy's was transported to Flowen 011 and "solids" from Flowen were transported to Wayne.
- This was done at "Danna's" direction.

- 67. The New Jersey manifests were numbered NJA0213531, -532, -533, and -538 thru -541. The Michigan manifests were numbered MI0681054 thru -057, -063, -064 and -065.
- 68. "Michael Danna", and/or persons acting at his direction, signed the name of Michael Danna on both sets of manifests for Flowen Oil; as recipient on the New Jersey manifests and as generator on the Michigan manifests.
- 69. The net effect of the manifest falsifications described above was to leave Andy's Body Shop and NJDEP with the false impression that Andy's waste had gone to Flowen Oil, and to give Wayne Disposal, NJDEP and the Michigan DNR the impression that the waste Wayne Disposal received had come from Flowen, and was oil sludge rather than contaminated soil.
- 70. These deceptions constituted "fraud, deceit, or misrepresentation" in the conduct of Flowen's licensed activity by its agent, "Danna".

# INDICTMENT OF DANIEL TARRATS AND NATIONAL CORPORATE DISPOSAL, INC.

71. As a result of an investigation by the Division of Criminal Justice into matters which included the Kentile Floors and Andy's Body Shop cleanup jobs described above, on September 8, 1987, a 25-count indictment, NO. SGJ 190-87-1, was returned by the State Grand Jury, charging Daniel Tarrats and National Corporate Disposal, Inc., with the following crimes:

Count 1 2C:5-2 (Conspiracy)

Counts 2, 4, 13:1E-9.g.(5) (Making False Statements on Manifest)

Counts 3, 5, 13:1E-9.g.(4) (Making False Statement to 8, 9, 11 Person Who Prepares a Manifest)

Counts 12,13 2C:20-4 (Theft by Deception)

Counts 14,15, 2C:28-7.a.(1) and (2) (Tampering With Public 16, 17 Records or Information)

Counts 18,19, 2C:21-4 (Falsifying or Tampering With Records)

Counts 21,22,

23, 26 2C:21-1(a) (Forgery)

Counts 24,25 2C:21-9.c. (Misconduct by Corporate Official)

Among the crimes charged are several enumerated at N.J.S.A. 13:1E-133.b.

### SUMMARY OF STATUTORY AND REGULATORY VIOLATIONS

72. Based on the foregoing, the Department finds that the following violations of the Solid Waste Mangement Act and/or regulations promulgated under the Act have been committed by Flowen Oil, National Corporate Disposal, Inc.,

- Daniel Tarrats a/k/a Michael Danna and/or Albert Tarrats a/k/a Allan Carr (references to specific findings in brackets [thus]):
- 73. NCD, Daniel Tarrats and/or Albert Tarrats acquired ownership or control of Flowen Oil without notifying the Department at least 180 days prior to the change of ownership or control; and
- 74. Flowen 0il failed to notify the Department at least 180 days prior to a proposed change of ownership or operation control, in violation of N.J.A.C. 7:26-12.5(b) and -12.3(c)4. [See paragraphs 23-36].
- 75. Flowen Oil, NCD, Daniel Tarrats and/or Albert Tarrats failed to provide notice to the Department within 30 days of a change in the information required to be included in the disclosure statement of Flowen Oil, in violation of N.J.S.A. 13:1E-128.e. and N.J.A.C. 7:26-16.6. [See paragraphs 23-37.]
- 76. Flowen Oil, NCD, and Daniel Tarrats a/k/a Michael Danna, permitted Albert Tarrats, a person convicted of a crime listed at N.J.S.A. 13:1E-133.b. and N.J.A.C. 7:26-16.8(b), to acquire an interest in the business of Flowen Oil without first obtaining the approval of the Department, in violation of N.J.A.C. 7:26-16.21 and a court order. [See paragraphs 7-12 and 23-36.]
- 77. The Department finds that the following violations of the Solid Waste Management Act and/or regulations promulgated under the Act have been committed by Flowen Oil, National Corporate Disposal, Inc. and/or Daniel Tarrats a/k/a Michael Danna:
- 78. False or misleading statements were made on the following hazardous waste manifest documents:

NJA0213511, NJA0213512, NJA0213513, NJA0213514, NJA0213515, NJA0213516, NJA0213518, NJA0213521, NJA0213523, NJA0213525, NJA0213531, NJA0213532, NJA0213533, NJA0213538, NJA0213539, NJA0213540, NJA0181510;

per 64 " - 4

#### and

MI0581050, MI0673874, MI0673878, MI0673879, MI0673880, MI0673881, MI0681054, MI0681055, MI0681056, MI0681057, MI0681060, MI0681061, MI0681062, MI0681063, MI0681064, MI0681065, MI0861030, MI0861031, MI0861032, MI0861033, and MI0879902.

The false or misleading statements included misrepresentations as to the descriptions of the waste transported; the origin and destination points of the waste; and false signatures.

With respect to those documents, Flowen Oil, NCD and/or Daniel Tarrats a/k/a Michael Danna, knowingly or recklessly made false or misleading statements to persons who prepared hazardous waste manifests required to submitted to the Department, and/or made false or misleading statements upon the manifest documents themselves, in violation of N.J.S.A. 13:1E-9.g.(4) or (5) and/or N.J.S.A. 13:1E-9.h.(4) or (5). See also N.J.A.C. 7:26-7.3(c) and (d).

- With respect to the shipments of hazardous waste corresponding to the manifests, Flowen Oil, NCD and/or Daniel Tarrats caused or permitted hazardous waste to be transported without the completion and submission of manifests accurately describing the waste and its actual origins and destinations as required by N.J.A.C. 7:26-7.3(a), 7:26-7.4(a), 7:26-7.5(d) and 7:26-7.6(a), in violation of N.J.S.A. 13:1E-9.1.
- 79. The Department further finds that, with respect to the activities described in paragraphs 43 through 70 above, National Corporate Disposal, Inc. and Daniel Tarrats exercised such a complete degree of control over the schemes to dispose of hazardous waste without proper manifests (including the preparation of the manifests and giving orders to the employees of Merola Enterprises, Inc., and National Waste Disposal, Inc.) as to have exceeded the limits of "brokering," and they did in fact "engage" in the collection or disposal of solid (hazardous) waste. Since NCD has no approved registration from NJDEP, this engaging was without authorization from the Department, in violation of N.J.S.A. 13:1E-5.a. and N.J.S.A. 13:1E-9.g.(3) or -9.h.(3), and N.J.A.C. 7:26-3.2(c).

#### ORDER

PURSUANT TO N.J.S.A. 13:1E-9.c., IT IS HEREBY ORDERED THAT:

- 80. Flowen Oil, upon receipt of this Administrative Order, shall cease operation as a hazardous waste facility and shall operate as a generator of hazardous waste only to the extent necessary to implement its closure plan or to accomplish removal of solid waste or hazardous waste from its facility as required by the Department.
- 81. Flowen 0il shall commence implementation of its closure plan immediately.
- 82. This order is being given pursuant to Paragraph 13 of the Administrative Consent Order of November 18, 1986, under which it was agreed that "Flowen Oil's continued operation is expressly conditioned upon Flowen Oil's compliance with... all applicable rules, regulations and statutes governing operation of the facility," and that if Flowen failed to comply with any of the terms of the ACO, its authority to operate would be "automatically null and void, and Flowen Oil agrees to cease operations upon notice of the same from NJDEP." This Order constitutes said notice. Flowen further waived its right to request an administrative hearing regarding cessation of operation pursuant to Paragraph 13.
  - 83. Upon receipt of this Administrative Order, National Corporate Disposal Inc., shall be removed from the Department's list of Discharge Cleanup Organizations that have filed information with the Department pursuant to N.J.A.C. 7:1E-3.1 et seq.
  - 84. -National Corporate Disposal, Inc., Daniel Tarrats and Albert Tarrats and any corporation, partnership or other business entity owned or controlled by any of them, shall immediately divest themselves of, and shall not in the future acquire any interest, direct or indirect, in the business of Flowen Oil Delaware Valley, Inc., or any other entity licensed by NJDEP pursuant to N.J.S.A. 13:1E-5. This includes, but is not limited to, any equity holding, options, stock shares, percentages, voting rights, contract rights or debt

- liability of Flowen Oil or other licensed entity. Neither NCD, Daniel Tarrats, Albert Tarrats nor any of their employees shall exercise any managerial or supervisory power or control over Flowen Oil or any other licensed entity or the employees thereof, nor shall Daniel Tarrats or Albert Tarrats hold any position with such a licensed entity as an officer, director, partner or key employee thereof.
- 85. NCD, Daniel Tarrats and Albert Tarrats shall not hold themselves out to any client or customer or to the general public as owning, controlling or having any interest whatsoever in Flowen Oil or any other entity licensed by NJDEP pursuant to N.J.S.A. 13:1E-5. Within 10 days of receipt of this Administrative Order, NCD, Daniel Tarrats and Albert Tarrats shall affirmatively advise in writing any person to whom they have previously represented that they own, control or are affiliated with Flowen Oil, that they do not own, control or are affiliated with Flowen Oil. Within 20 days of receipt of this Order, NCD, Daniel Tarrats and Albert Tarrats shall provide to the Department a list of the persons who have been so advised, together with proof of mailing. This documentation is to be supplied to John Barry at the address indicated in paragraph 88 below.
- 86. NCD, Daniel Tarrats and Albert Tarrats, shall not engage in the following activities which constitute engaging in the collection or disposal of solid/hazardous waste:
  - (a) Direct supervision or communication of instructions to drivers, loaders or other persons engaged in the physical transportation of disposal of solid waste.
  - (b) Signing of hazardous waste manifest documents.
  - (c) Preparation of manifests or providing information to be used in the preparation of hazardous waste manifests, except as that information may be provided to NCD by generators and licensed transporters of TSD facility operator. NCD may not originate such information in the sense that this involves NCD in the choice of destinations for waste.
  - (d) Exercise of any discretionary powers as to where solid waste is to be transported or disposed of.
- 87. Daniel Tarrats, Albert Tarrats and NCD, having demonstrated that they cannot be trusted to refrain from inducing licensed entities to engage in violations of the Solid Waste Management Act and/or NJDEP regulations promulgated under the Act's authority, are ordered to cease and desist from their business of hazardous waste "brokering." Neither NCD, Daniel Tarrats nor Albert Tarrats shall enter into, or hold themselves out to the public as legally capable of entering into, any contract for the transportation or disposal of solid or hazardous waste to or from any location in the State of New Jersey. Nor shall they, or any of them, arrange, negotiate or participate in the formation of any such contract; nor accept any commission, fee or other monetary compensation for arranging any such contract or for participating in any way in arranging for the transportation or disposal of solid or hazardous waste.

88. Flowen Oil is further ordered to submit within 20 calendar days after receipt of this Order the enclosed VERIFICATION OF COMPLIANCE by certified mail, return receipt requested or by hand delivery to:

New Jersey Department of Environmental Protection Division of Hazardous Waste Management 401 E. State Street CN 028 Trenton, NJ 08625 Attention: John Barry

89. NCD, Daniel Tarrats and Albert Tarrats are further ordered to submit within 20 calendar days after receipt of this Order the enclosed VERIFICATION OF COMPLIANCE by certified mail, return receipt requested or by hand delivery to the address set forth in paragraph 88 above.

### NOTICE OF CIVIL ADMINISTRATIVE PENALTY ASSESSMENT

90. Pursuant to N.J.S.A. 13:1E-9.e. and based upon the above FINDINGS, the Department had determined that civil administrative penalties shall be assessed against Flowen Oil and against NCD and Daniel Tarrats, jointly and severally, and against NCD, Daniel Tarrats and Albert Tarrats, jointly and severally, in the amounts set forth below:

#### Against Flowen 0il:

- (a) for failing to notify the Department at least 180 days prior to a change of ownership or operational control [violation of N.J.A.C. 7:26-12.5(b) and -12.3(c)4]: \$15,000.
- (b) for failing to provide the Department with notice of a change in the information required to be included in the Disclosure Statement of Flowen Oil [violation of N.J.S.A. 13:1E-128.e., N.J.A.C. 7:26-16.6]: \$15,000.
- (c) for permitting Albert Tarrats to acquire a beneficial interest in the business of Flowen Oil without first obtaining the approval of the Department [violation of N.J.A.C. 7:26-16.21]: \$15,000.
- (d) for the false manifesting violations set forth in paragraphs 43 through 61 (Kentile Floors) [violations of N.J.S.A. 13:1E-9.g.(4), (5) and/or 13:1E-9.h.(4), (5); N.J.A.C. 7:26-7.3(c) and (d); N.J.A.C. 7:26-7.3(a), -7.4(a), -7.5(d) and -7.6(a); N.J.S.A. 13:1E-9.i]: \$470,250.
- (e) for the false manifesting violations set forth in paragraphs 63 through 70 (Andy's Body Shop) [same citations as in subparagraph (d) above]: \$299,250.

TOTAL PENALTIES ASSESSED: \$814,500.

91. Against NCD and Daniel Tarrats, jointly and severally:

- for the false manifesting violations set forth in paragraphs 43 through 60 (Kentile Floors) [violations of N.J.S.A. +3:1E-9.g.(4), (5) and/or 13:1E-9.h.(4), (5); N.J.A.C. 7:26-7.3(c) and (d); N.J.A.C. 7:26-7.3(a), -7.4(a), -7.5(d) and -7.6(a); N.J.S.A. 13:1E-9.1.]: \$627,000.
- (b) for the false manifesting violations set forth in paragraphs 63 through 70 (Andy's Body Shop) (same citations as in subparagraph (a) above]: \$399,000.
- for engaging in the collection or disposal of hazardous waste without authorization from the Department [violation of N.J.S.A. 13:1E-5.a., -9g.(3), -9.h.(3)]: \$171,000.

TOTAL PENALTIES ASSESSED: \$1,197,000.

- 92. Against NCD, Daniel Tarrats and Albert Tarrats, jointly and severally:
  - (a) for acquiring ownership or control of Flowen Oil without notifying the Department at least 180 days in advance [violation of N.J.A.C. 7:26-12.5(b) and -12.3(c)4]: \$63,875.
  - for failing to provide the Department with notice of a change in the information required to be included in the Disclosure Statement of Flowen Oil [violation of N.J.S.A. 13:1E-128.e., N.J.A.C. 7:26-16.6]: \$63,875.
  - (c) for permitting Albert Tarrats to acquire a beneficial interest in the business of Flowen Oil without first obtaining the approval of the Department [violation of N.J.A.C. 7:26-16.21]: \$63,875.

TOTAL PENALTIES ASSESSED: \$191,625.

Payment of penalties is due when a final order is issued by the Commissioner subsequent to a hearing, if any, or when this Administrative Order and Notice of Civil Administrative Penalty Assessment becomes a final order (see following paragraph). Payment shall be made by certified check payable to "Treasurer, State of New Jersey" and shall be submitted to:

> New Jersey Department of Environmental Protection Division of Hazardous Waste Management Hazardous Waste Management - Enforcement CN 028

Trenton, NJ 08625

Attention: Ronald T. Corcory, Assistant Director

94. - If no request for a hearing is received from an ordered party within twenty (20) calendar days from receipt of this Notice of Civil Administrative Penalty Assessment, it shall become a final order as to that party upon the twenty-first calendar day following its receipt, and the penalty shall be immediately due and payable.

## NOTICE OF INTENT TO REVOKE/DENY HAZARDOUS WASTE LICENSES

- 95. Pursuant to N.J.S.A. 13:1E-5.a., no person may operate a hazardous waste facility or a hazardous waste transportation operation in New Jersey without first obtaining an approved registration from the Department. Pursuant to N.J.S.A. 13:1E-127.g. and N.J.A.C. 7:26-16.2, the term "license" means an approved registration or any authorization equivalent to an approved registration.
- 96. Flowen Oil has been operating its facility pursuant to a "license" as defined in N.J.A.C 7:26-16.2, and is also an applicant for a new 5-year license. Flowen Oil also holds a hazardous waste transporter license, No. S-8156.
- 97. Pursuant to N.J.S.A. 13:1E-12, the Department may revoke a license upon a finding that the licensee has violated any provision of the Solid Waste Management Act or any rule, regulation or administrative order promulgated under the Act, or has violated any provision of any laws related to pollution of waters, or land surfaces of the State.
- 98. Pursuant to N.J.S.A. 13:1E-5.c., the Department may deny a license to an applicant for causes that would result in license revocation under N.J.S.A. 13:1E-134.a. Pursuant to N.J.S.A. 13:1E-134.a., the Department may revoke a license for any cause which would require license denial under N.J.S.A. 13:1E-133.a., b., c. or e. or for any other cause set forth in N.J.S.A. 13:1E-134.
- 99. Based on the findings set forth above, the Department finds that Flowen Oil is subject to having its hazardous waste facility license and its hazardous waste transporter license revoked and/or renewal or issuance of those licenses denied, on the following grounds:
- 100. Pursuant to N.J.S.A. 13:1E-12.a., for the specific statutory and regulatory violations summarized in paragraphs 65 through 69 above;
- 101. Pursuant to N.J.S.A. 13:1E-5.c., in that the operation of Flowen Oil under the control or influence of National Corporate Disposal, Daniel Tarrats and/or Albert Tarrats warrants a findings that Flowen Oil cannot be relied upon to operate its business in accordance with the standards set forth in the Solid Waste Management Act and the regulations promulgated under the Act's authority;
- 102. Pursuant to N.J.S.A. 13:1E-133.a., in that Daniel Tarrats, Albert Tarrats, NCD and Flowen Oil have demonstrated a lack of reliability in following the requirements of the law and regulations governing transportation and disposal of hazardous waste, which gives rise to a significant doubt that they can be trusted to manage hazardous wastes which have potential for causing harm to human health and the environment:
- 103. Pursuant to N.J.S.A. 13:1E-133.b., in that Albert Tarrats was convicted of violating N.J.S.A. 13:1E-9.e.(2), a criminal provision of a state environmental protection law;



- 104. Pursuant to N.J.S.A. 13:1E-133.d., in that there is pending against Daniel Tarrats and NCD an indictment, No. SGJ 140-87-1, which charges offenses enumerated in N.J.S.A. 13:1E-133.b.
- 105. Pursuant to N.J.S.A. 13:1E-133.e, in that Daniel Tarrats and Albert Tarrats, in their management of Barone Hazardous Waste Management Corporation, National Corporate Disposal, Flowen Oil, and other enterprises, have repeatedly pursued economic gain in an occupational manner or context which is in violation of the criminal or civil public policies of this State, and their pursuit has created a reasonable belief that their further participation in the solid/hazardous waste disposal industry would be inimical to the policies of N.J.S.A. 13:1E-126 et seq.;
- 106. Pursuant to N.J.S.A. 13:1E-134.b., in that Flowen Oil and/or its agents, Daniel Tarrats, Albert Tarrats and NCD, committed fraud, deceit and misrepresentation in securing a license for Flowen Oil, by concealing the Tarrat's interest in the company from NJDEP; and committed fraud, deceit and misrepresentation in the conduct of Flowen's licensed activity, by permitting Flowen's name to be used to create false impressions as to the transportation of certain hazardous wastes, as set forth in paragraphs 43 through 70 above.
- 107. Notice is given that license revocation or denial may be based upon any of the grounds cited in paragraphs 100 through 106 above, singly or in combination; and further that revocation or denial may be based upon any of the statutory or regulatory violations set forth in the Findings section of this notice, singly or in combination.
- 108. Notice is further given that license revocation pursuant to this Notice shall also constitute denial of Flowen Oil's application for a new hazardous waste facility permit. This Notice shall constitute both notice of intent to deny and to terminate pursuant to N.J.A.C. 7:26-12.7(a)5, 7:26-12.11(a) and 7:26-12.13(d).
- 109. Flowen Oil is entitled to an administrative hearing on this Notice. Failure to submit a timely hearing request will be deemed a waiver of Flowen Oil's right to a hearing, and will result in automatic revocation of Flowen's license and/or denial with prejudice. Operation of a hazardous waste facility without authorization from NJDEP can result in civil and criminal penalties under N.J.S.A. 13:1E-9.

#### NOTICE OF RIGHT TO A HEARING

- 110. Pursuant to N.J.S.A. 52:14B-1 et seq., N.J.S.A. 13:1E-12, and 13:1E-134, Flowen Oil, NCD, Daniel Tarrats and Albert Tarrats are entitled to an administrative hearing this Notice, except that Flowen Oil is not entitled to an administrative hearing on that portion of this notice denominated "Order", paragraphs 80-82 inclusive. Any hearing request shall be delivered to the address referenced in paragraph 93 within (20) calendar days from receipt of this Administrative Order, Notice of Civil Administrative Penalty Assessment and Notice of Intent to Revoke/Deny Hazardous Waste Licenses.
- 111. Pursuant to N.J.S.A. 52:14B-9(b) and N.J.A.C. 1:1-6.1(b), any person who requests a hearing shall furnish NJDEP with the following:

- a. A statement or the legal authority and jurisdiction under which the hearing or action to be taken is to be held;
- b. A reference to the particular section of the statutes and rules involved;
- c. A short and plain statement of the matters of fact and law asserted; and
- d. The provisions of these Notices to which the party objects, the reasons for such objections, and any alternative provisions proposed.

#### ADDITIONAL PROVISIONS

- 112. This Administrative Order, Notice of Civil Administrative Penalty Assessment, and Notice of Intent to Revoke/Deny Hazardous Waste Licenses (hereinafter "Administrative Order and Notices") is binding on Flowen Oil, National Corporate Disposal, Inc., Daniel Tarrats a/k/a Michael Danna and Albert Tarrats a/k/a Allan Carr, their principals, directors, officers, agents, successors, assigns, any trustee in bankruptcy or other trustee, and any receiver appointed pursuant to a proceeding in law or equity.
- 113. Notice is given that violations of any statutes, rules or permits other than those cited herein may be cause for additional enforcement actions, either administrative or judicial. By issuing this Administrative Order and Notices the Department does not waive its right to institute additional enforcement actions.
- 114. No obligations imposed by this Administrative Order and Notice (with the exception of paragraphs 90-94 above) are intended to constitute a debt, damage claim, penalty or other civil action which could be limited or discharged in a bankruptcy proceeding. All obligations are imposed pursuant to the police powers of the State of New Jersey, intended to protect the public health, safety, welfare and environment.
- 115. Notice is given that pursuant to N.J.S.A. 13:1E-9.e., the Department is authorized to assess a civil administrative penalty of not more than \$25,000.00 for each violation and additional penalties of not more than 2,500.00 for each day during which the violation continues.
- 116. Notice is further given that pursuant to N.J.S.A. 13:1E-9.f., any person who violates N.J.S.A. 13:1E-1 et seq. or any code, rule or regulation promulgated thereunder shall be liable to a penalty of not more than \$25,000.00 per day of such violation, and each day's continuance of the violation shall constitute a separate violation.
- 117. Notice is further given that pursuant to N.J.S.A. 13:1E-9.f., any person who violates an administrative order issued pursuant to N.J.S.A. 13:1E-9.c., or a court order issued pursuant to N.J.S.A. 13:1E-9.d, or who fails to pay a civil administrative penalty in full after it is due shall be subject upon order of a court to a civil penalty not exceed to \$50,000.00 per day of such violations, and each day's continuance of the violations shall constitute a separate violation.

118. Except as provided above in the Notice of Right to a Hearing Section, this Administrative Order and Notices shall be effective upon receipt.

- Assistant Director - Enforcement Division of Hazardous Waste Management

· ·

REFERENCE NO. 72



# STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PR

IN THE MATTER OF
FLOWEN OIL DELAWARE
VALLEY, INC., NATIONAL
CORPORATE DISPOSA, INC.
DANIEL TARRATS A/K/A
MICHAEL DANNA and ALBERT
TARRATS A/K/A ALAN or
ALLAN CARR

ADMINISTRATIVE CONSENT ORDER GRANTING ADMINISTRATIVE HEARING AND STAY ON CONDITIONS

The Department of Environmental Protection (hereinafter DEP) having issued an ADMINISTRATIVE ORDER, NOTICE OF CIVIL ADMINISTRATIVE PENALTY ASSESSMENT and NOTICE OF INTENT TO REVOKE/DENY HAZARDOUS WASTE LICENSES, dated November 6, 1987, requiring, among other things, the immediate shutdown of Flowen Oil Delaware Valley, Inc. (hereinafter FODV); and FODV having requested an administrative hearing on said order and having further requested a stay of paragraphs 80, 81, 82 and 90 of said administrative order; and

FODV having submitted in support of its requests an affidavit of Joe C. Norman, the president of FODV, dated November 17, 1987, which is attached hereto and made a part hereof; and the parties having reached agreement on appropriate terms and conditions, the following administrative order is hereby issued with the consent of the parties:

- i. DEP hereby grants, solely to FODV, the administrative hearing requested by FODV in its letter to the Department of November 12, 1987, to be scheduled on an expedited basis.
- II. DEP hereby grants, solely to FODV, a stay of paragraphs 80, 81, 82 and 90 of the Administrative Order of November 6, 1987, pending said administrative hearing, on the following conditions:
  - (a) FODV and any of its successors or assigns shall not have any relationship whatsoever with either National Corporate Disposal, Inc., or any of its successors or assigns (hereinafter NCD) Daniel Tarrats (a/k/a Michael Danna), Albert Tarrats (a/k/a Alan or Allan Carr) or any of them, (hereinafter collectively "the individuals"), including specifically, but without limitation, any relationship as customer, employee, agent, independent contractor, broker. sales representative, marketing representative, promoter or source of business referrals; and

858

(b) FODV shall not directly or indirectly obtain in any form any funds, contributions, loans, credit, investment or any other form of financing or capital or promise thereof from NCD, the individuals or any of them.

III. It is expressly understood, agreed to and ordered that the granting of the administrative hearing request and the issuance of the stay by DEP in this Order is expressly based upon FODV's compliance with each of the conditions set forth in this Order. Pursuant to this Order, FODV's failure to comply with any of said conditions shall result in immediate termination of the stay and revocation of the grant of the hearing request, and shall require immediate termination of all operations by FODV, except as may be required to effect its closure plan. This Order shall be fully enforceable in the Superior Court of New Jersey as any other administrative order of the Department issued pursuant to its statutory authority.

Except to the extent expressly modified hereby, the Administrative Consent Order previously entered into by the parties on November 18, 1986 remains in full force and effect and enforceable pursuant to its terms. In consenting to the within Administrative Order granting FODV's hearing request and stay neither party intends any concession as to the Issue of FODV's right to an administrative hearing as raised by FODV.

Date 11-23-87

By Kurall Islam
Ronald T. Corcory
Assistant Director
Division of Hazardous Waste Management

FLOWEN OIL DELAWARE VALLEY, INC.

By Jet C. Norman
President

## REFERENCE NO. 73

DEC-14-88	WED 1 :51 BER REGION 1: 0408 B P.02
Form DEP-061 C 9/88 LO 9 9 & & C 12-20-88	NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION 12-15-88  DUTY OFFICER NOTIFICATION REPORT
·	CASE NO. 38 . 12 . 14 . 1
INCIDENT REPOR	T BY:

DATE 10 . 14 . 00 REC'D BY K 23		TIME
INCIDENT REPORT BY:		
Name Paul Fleischman		Phone 604-365-5544
Street		
City	Cinio	
	Out (4	
	<del></del>	
INCIDENT LOCATION: Transportation	Facility	Other:
Name (Site): Flower oil	Phone	
Street 1800 durmen St		
	into day deu en	te Zip Code
/		Zip Code
Date of Incident: $\frac{12}{(M_0)} \cdot \frac{14}{(D_0)} \cdot \frac{88}{(m)}$ Time: $\frac{121}{(M_0)}$	7:	
IDENTITY OF SUBSTANCE(S) SPILLED, RELEASE	D. ETC.:	Suspected Unknown
Name of Substance(s) [Gas, Liquid, Solid]:		- Onklowie
Amount Released/Spilled UPIC Actual		, Estimated Substance Contained 💮 N L
Type of Release/Spill: Terminated C	Continuous I	ntermittent Hazardous Material 🐼 N U
	· · · · · · · · · · · · · · · · · · ·	
INCIDENT DESCRIPTIC :		
Fire Explosion Air Rel	6pill MVA	Derailment Smoke/Dus
Cdors Sewage NJPDES	Noise Wild	illfe Illegal Dumping Drums
Fquip Start-Up/Shuldown, Equip Fail/Upset, etc		
	<u> </u>	
Other (specify)		
Injuries Y Ø U	Public Exposure	Y (4) U
Facility Evacuation Y (N) U	Fire Department at S	cene Y 🐧 U
Population Evacuation Y (N U	Police at Scene	Y 👸 U
Potable Water Source Y (N) U	Assistance Requester	a Υ Ñ υ
Contamination of Air Land Water	Precipitation	YNU
Receiving Water	Wind Direction/Speed	•
Location Type: Residential Industrial Com		
		CCO 15 aracked
		DEC 13 CITIOLES
water and oil is contained	INto	-32
RESPONSIBLE PARTY: Suspected	Unknown	
Company Name Sauce as IL		
Contact	Title	
Strest		
City Cou	unty Sta	te Zip Code
TACK ALLE	U - IMMEAIN	TE/2-15-88W
OFFICIALS NOTIFIED (Nameritie):		
	Phone	Date/Time / (T/M)
Local Health: Joan /	Phone	Date/Time_12-15_1_1623(T/M)
Local Munic:	Phone	Date/Time / (T/M)
	Phone	•
		(111)
INCIDENT REFERRED TO:		
DEQ DWR DSWM DHSM	DHWM DOH	DFG DPF DCJ DCF
Region: Northern Metro Central	_	
1. Name/Affil FC. Y		4 / 4 -
•		• • •
2. Name/Affil		
	Phone	/(T/M)
DEP RESPONSE Emergency Immediate Pri	ority No Response	

REFERENCE NO. 74

863

22

DEP RESPONSE

Immediate

Emergency

No Response

REFERENCE NO. 75

## **NUS CORPORATION**

II

0712

865



123.41

FLOWER OIL DELAWARE VALLEY CORP. 02-9011-20
TDD MANAGER-K. INDELICATO LOGBOOK #0712
JANUARY 15, 1991

866

225

\* C-154-5-54-125 GUIDANCE FOR PROPER USE OF LOG BOOKS Put pose A person not present when field activities were being documented should read  $\infty$ Serves to document onsite activities and be understandable to an outside each completed page, and countersign and date when satisfied that the ത written notes are understandable. Provides the basis for later written reports. Specific Field Activities To Be Documented Used an an evidentiary document and may be used in fegal proceedings. Record the who, what and where of field activities. Distribution Indicate sampling and photo locations on a site sketch or map. o Controlled by the project manager and distributed as appropriate to personnel As part of the chain of custody procedure, recorded in-situ sampling designated by the project manager. information must include sample number, date, time, sampling personnel, sample type, designation of sample as a grab or composite, and any General Procedures preservative used. Record information in language which is objective and factual. Information for iri-situ measurements must include a sample ID number, the date, time, and pérsonnel taking measurements. Pertinent in-situ Use ink. Katerproof ink is recoinmended. measurements include but are not limited to pH, temperature, conductivity, flow measurements, continuous air monitoring measurements, and stack gas Lead lirst two pages blank. They serve as space for the table of contents to analysis. If infield calculations are necessary they must be checked and be added when the log book is complete. signed by a second team member. Create a photo log to document photos taken in the field. These must include The first written page identifies the date, time, TDD number, site name, location, NUS personnel and their responsibilities, other non-NUS personnel date, time, photographer, sample number, roll number, frame number, photo and observed weather conditions. ID number and description. Indicate if the film is for slides or prints in the column for roll number. Photo ID numbers can be added at the time the o Start on a new page at the start of each day's field activities. This page photo log is assembled. should identify date, time, TDD number, site name and location, NUS personnel and their responsibilities, other non-NUS personnel and observed Record onsite health and safety measures used. Describe observed potential weather conditions. hazards to health and safety. Document the level of protection used, decontamination procedure used and specific decontamination solutions. List all persons leaving or entering the tite. When sampling is complete, a summary log is to be completed. It must Information recorded in the log book should be in chronological order. include date, time, sample number, description, field book reference page. ..... and the number and date of the chain of custody from on which the sample is --Sign and date each page, log all entries using a 24 hour clock. Entries should listed. Indicate whether or not the sample was splitting  $\alpha$ be time logged every 15 to 30 minutes. Record details régarding relevant information obtained during onsite Corrections are to be fined through and initialed. No erroneous notes are to interviews. Include names of persons interviewed, the interest group be made illegible. represented, their address and phone number. Include a sketch or map of the site which can be used to locate photo or Record any other relevant information which would be difficult to generate sample locations. Note landmarks, indicate north, and if possible include an approximate state. Unitable as many sketches and maps as necessary.

	Flower	011	elawce	Valle	Caro			
		02.	9011-20	3 4				
				<del>                                     </del>	<u> </u>			-
		Table	<u>o</u> t	Conte	<u>US</u>			
1 -								1
	2	On-	Site 1	Peronno	7.56.04	r 0		<del>- i</del>
-		- ONL '	) (E Y	EE COVIEC C	1195/1/			<del></del>
<u> </u>	B	Oneto	graph	(OC -	Bn- 6	site - R	Can	-
-		(	Jugar					
	117	Site	Inspert	6N				
	27	PhotoGI	aph lo	c - 6	ate In	Decha	<u></u>	
	1×	J		<u>)                                    </u>				:
					·			
						· · · · ·		;
	• •						· :	· · · · ·
				<u> </u>				· · · · · · · · · · · · · · · · · · ·
	: .		. 25			; ;	: :	<u> </u>
) -	1			· · · · · · · · · · · · · · · · · · ·				
	:			, ,			<del></del>	
			<del></del>			<del></del>	<u></u>	
<del></del>			<del></del>	:				
- Control								
						178 2 - 102		
						172-7-76		
					:			
					:			
					:		8	68
							8	68
							8	68

-	Flowen Oil Delawo	re Valle, Cop. 3
	Conder Conder	(° NJ 02-901-20
	TOMESE, COMISES	6 08 97 1417
-	January 23	1991
· · · · · · · · · · · · · · · · · · ·		
7	On-Site Reconnaisson	•
	NUS Personnel:	
	Kothy Indelicate - SM	Kathy Indelicato 1-2391
-	Joel Filosa - 550	1 1/00 files 1/03/51
1 -	Bill Foss - Support	Walious 3 1/23/9/"
	Keith Billy - Suppor	Kute Bidey 1-23-91
- 1		No. Co. J. Co. J. J. J. J.
· ;		have read and understand
_	the Workplan and	QA/QC Procedures
<u></u>	Weather: Sunn 30	" wind from the south
	at applox, 10 mph	
	Non NUS Personnel:	Both of Kenteen Environmental
	- Chery Williams	
27	Koen Fishe	
_		REMTECH ENVIRONMENTAL
-	N. 7542	GROUP CHERYL A. WILLIAMS
		Regulatory Compliance Manager
		· ·
-		1800 Carman Street Camden N L08405 609-365-5544
		Camden, NJ 08105 609-365-5544 FAX 609-365-0801
	869	
		993
	danny Laty 2-17,	Poth Indelicato 1.23.91
	+	pung - damo-

Flower Oil Delaware Valley Corp
07-9011-70
Eguipment Numbers:
OVA - E' 192 307135
HNU - D' QUET probe - 307,144
(onera (print) 731692
Comera (31.de) 428512
Compass 684179
min-rad 469785
M- 56,00 629764
3(BA5-B F055- 307169
K Bill - 165536
J Filosa - 192034
K Incielicates - 428551
1300 converted site met 11/ (ner)
Williams - Set up de can pad
1305 mini-10d backgrowd - 10 cpm
OVA - OPAN
HNU - Oppm
870
Laty Tradelicato 1-23.91
Lauren Lety 2-1-81

02-9011-70 over Fisher of Rentech meets us Gives Stely Meetince - proceeding X721 - X728 NJ weste cit-only 1321 weste accepted at site Solids ar dismined att being separted Tal #8 76 15 Cac gal restelse osinisis feed for of series - usuit Jackelled tooks Headed w/ stem Ham dians one plugged. Bater Storm runoff or process water directly into sewer

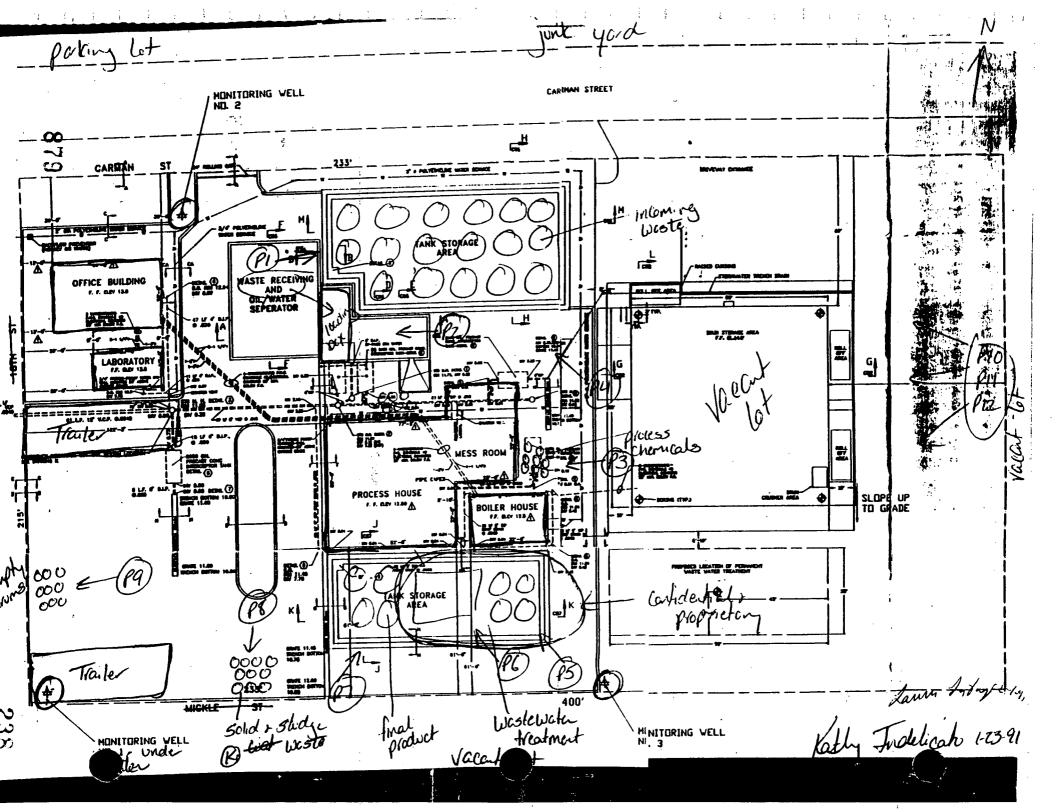
02-9011-70 Tonk loachy Alocess house, Process Chemicals 1331 Fain Lookin Waste in Coming HW COVA readings. on Laura Lutay 2-1-4) 1-23-91

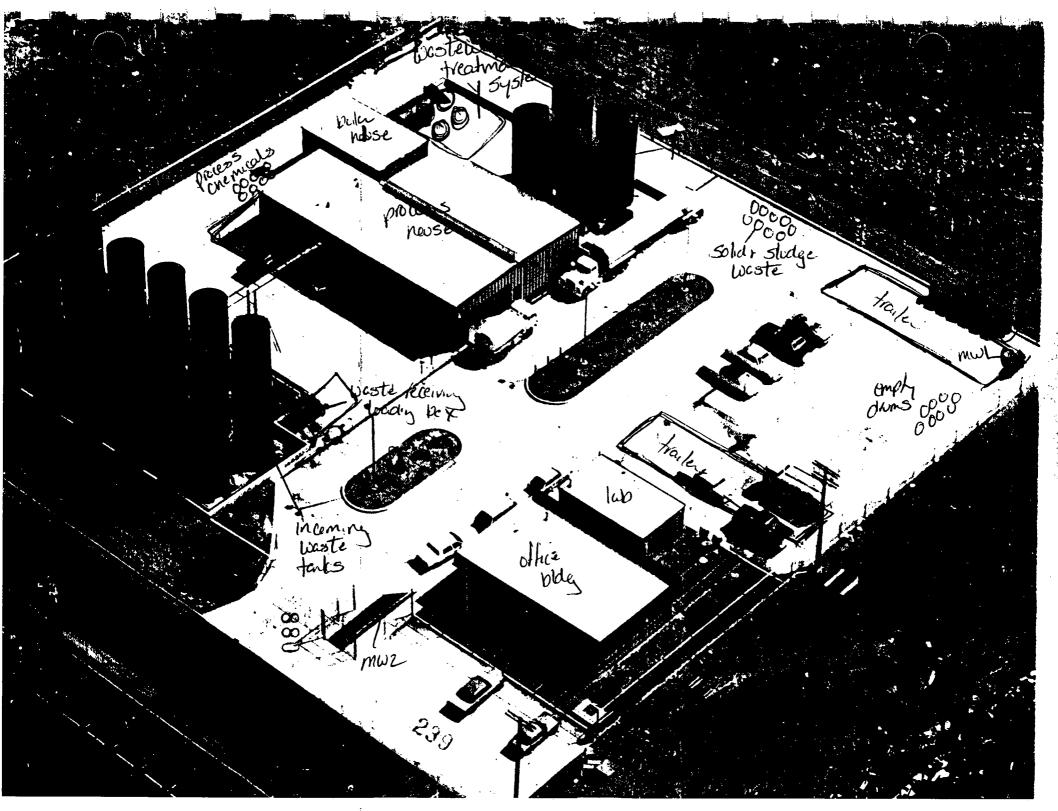
07-9011-70 westewater Systen treatment 335 3000 4000 ga looking NW Shetu plute Irle Contid HW OVA No Modinis Ohato lookin 1340 Ultra Centry 25,000 gd 1342 - Mecan STORUE. Solia weste look OVA reactings 873 atly Judelicate 1-23 91 2-1-91

Oil Delaware Valley Cop 02-9011-70 of mwz M-scepe -1410 2' stick-up B Foes 40 011 1415 1470 1 B Foss go on reading, HIVE or OVA stack. Stick-UP -875

07-9011-70 1427. pag 1436. decon 1445 PLI Site 876 Kathy Indeticato Laure Luty 24-91

Oil Delawice Valle 02-9011-70 Commets: termaly Flower Bil Delawae Enronmental Wollases Incomine waste od Vecente Oil 15 Runded loading tenk In Comina treatment The Component Chemicall dinal stored in bel " a3 a solid a aruns 3 ther accessed Heatmen Considered Proprietan Comple Stolage, deas love. trenches sullounded Contain ment dies. eastern Dicoal :15 DIOSS-, COVERO Sterm drains Site 15 Six/ounded bic been plagged funot on the site goes to The Site is sullounded by System AR. 877 1-23.91





	Florse	0 De	Jawe Va	elley Cap	16
		Photograph	log (co	ntinued)	
-	Photo #	Desc	ripiai		Time
• • -	IP-8	looking 5 Solid Li	at du	ms of	1342
-	IP-9	looking li	) at emp	at Orum	1345
-	IP-10,11,12	Locking (pane)	ana at	facily	1436
-		<u> </u>			
		•			
					882
	San y				211
				Kath In	delicato 1-2391

Flower Oil Delawer Valley Corp Conder, Conder 6. 7-25 62-9011-20 March 5, Site Inspection Anthon, Bonasea - Sample Luvery BOVALL The above personnel have read and understand the Workplan and 94/40 procedures Weather: Pathy Cloudy 40°F wind from NI, = 5-10 mph Non- NUS Personnel: Cheyl Williams - Pentich Karen Fisher - Reintech 248

Cathy Indelicate 3.5.9

January Leady

### WELL CASING-VOLUME

# CONVERSION CHART (Gallons)

# WELL CASING DIAMETER (INCHES)

1	n,	٠			WE	LL CA	SING	DIAM	IETER (	INCHE	S)				
,	1.0	1.5	2.0	3.0	40	6.0	8.0	10.0	12.0	14.0	16.0	18 0	24 0	36.0	48.0
1.	.004	009	016	037	065	.15	.26	.41	.59	80	1.04	1 32	2.35	5.29	9 40
.5	.02	05	.08	18	33	:73	1.3	2.0	2.9	4.0	5.2	6 6	11 7	26.4	47 0
1.0	.04	09	.16	37	65	15	2 6	4 1	5.9	Q.8	10.4	13.2	23 5	52.9	94 0
2.0	08	18	33												188.01
40	.16	36	.65	1 5	(26)	5.9	10.4	16.3	23.5	32.0	418	52.9	94 0		
6.0	.24												141 0		
8.0	.33	73											:88 0		
10 0	.41	92													940 2

07-704-70

DEPTH OF WATER COLUMN (FT)

			02-401	lwore Valle U-70	· (		
	_						
	_						-
				-			
, #							•
-		•					
· .							
4.							4
	0948	B. toss	ordores.	trip black	. TRIKI		
			1 1	, p 00-2	, 501		4
-	ä.						in An.
							-
			·	•			
							,
e .						sa Mic	-
							, specific
			•				
						,	e desper
,	· ·	•			Soft		***************************************
	e te constitue	nan an an an an an an	, a see or their pool of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the c				
	-			•			<u> </u>
						886	if
	•						,
	ţ					265	
Poll	y Indelica	10 3.5-91		Jerr	ule Lea	ly :	Jen
	<u> </u>				V 3 11	<b>学</b>	

Hower UII Delawore Valley Comp 02-9011-70

1023 - B Foss Collects RINI - Vailer rinsate

888

247

Laty Frdelicato 3.591

Jerryle dealy

02-9011-70 Talgate Meetine 1035aives 1050 at MW2 air ion Billy - back-up BOO fpm HNJ 1053 1057 level Measurin WELL A Barasera FIVOSE 1100-248 889 deli (al. 3591

ely

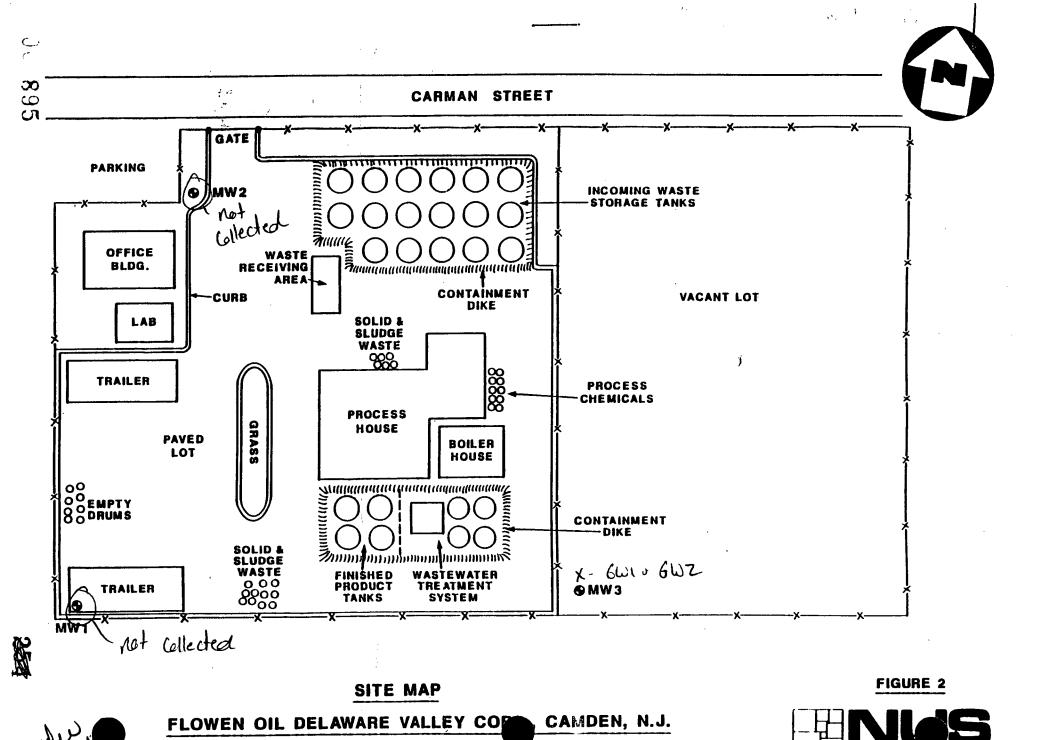
	Flower Oil Delaune 02-904-70	Vally Cap	•	
		•		
1135	Volume of water in well from Well Cosing-volum	MW3-1	calculated in chat	
	depth of water Column well casing diameter		14'	
	Approx 9 gal = 1 l will need to evaluate to get 3-5 x well		5 gallors	
,			<b>249</b> .	
Kath	Indelicato 3-5-91	Jerry	few dealy 3-11-91	Jerrefe

y

	22
	#     COURT OF THE COURT ONLY
	02-9011-20
•	
*	<i>*</i>
	1138- J Filosa, A Barasea go of air
	- 1705 - evacuating well by 4" Submesible
<i>I.</i>	Ring-) pumped well dry
	no readines on OVA or HNU
	Approx 10 gal of water execusted into
	drom 0
	1222 - Check Water level W/ M-5cope
	- no · recharge
•	
•	1230 Petern to alecon pad
.•	
	892
•••	
. :	Irrefutealy 11
	0 69-11-91 Carly Indelicano 3-591

*i.* 

		Flower	Oil	Delaware	Valley	losp		2
			02-	9011-20	l l			
! !								
	615-	water	brow	in - Ven	Silty			:
								:
								:
	1545	Peter	,	to dece	n Occ	x		
	1							_
			. :				1 1	
			; i				•	
1 3.					:		· · · · · · · · · · · · · · · · · · ·	
. ;	1710	loft	<	ite	<del> </del>			
i		( 0-1	<i>ـــــــا</i>		·	· · · · · · · · · · · · · · · · · · ·	:	
			<del></del>					
	<u> </u>	:					•	
			•		i :			
	ITUN	- De	200 ~	Go al	o Coole	M		
	, , , , ,	201	TO THE	Sample Ex	<u> </u>	rs Ut	· · · · · · · · · · · · · · · · · · ·	
		<u>IU</u>	rea				:	
						<u> </u>	: : : : : : : : : : : : : : : : : : :	
<u> </u>	1			1				
<del></del>								
<del></del>				· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			
<del></del>	· · · · · · · · · · · · · · · · · · ·							
			<u> </u>	and the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of th	<u>-                                    </u>			
<del></del>			· · · · · · · · · · · · · · · · · · ·					
	: !		<del></del>					
:			<u> </u>					
			·		· · · · · · · · · · · · · · · · · · ·		253	
						!		
							894	
1			1		a			
4	<b> </b>	)	1. 1.		_ 1 / 11			



NOT TO SCALE

**REFERENCE NO. 76** 

SAMPLING TRIP REPORT

SITE NAME:

Flowen Oil Delaware Valley Corp.

TDD NO :

02-9011-20

**SAMPLING DATES:** 

March 5, 1991

**EPA CASE NO.:** 

16001

1. Site Location:

See Figure 1

2. Sample Locations:

See Figure 2

3. Sample Descriptions:

See Table 1

4. **Laboratories Receiving Samples:** 

Sample Type

Name and Address of Laboratory

Organic

Ceimic Corp. 100 Dean Knauss Dr. S. Terry Industrial Park

Narragansett, RI 02882

Inorganic

· Frankri

Betz Laboratories, Inc. 4636 Somerton Rd. Trevose, PA 19047

5. Sample Dispatch Data:

> A total of four aqueous samples for organic analysis were shipped by FIT 2 personnel via Federal Express under Airbill No. 9802407064 to Ceimic Corp. on March 5, 1991, at approximately 1738 hours.

> A total of three aqueous samples for inorganic analysis were shipped by FIT 2 personnel via Federal Express under Airbill No. 9130259611 to Betz Laboratories, Inc. on March 5, 1991, at approximately 1739 hours.

Silladent

6. On-site Personnel:

<u>Name</u>	Organization	<u>Duties on Site</u>
Kathy Indelicato	NUS Corporation, FIT 2	Site Manager, Written and Photographic Documentation
Keith Billy	NUS Corporation, FIT 2	Site Safety Officer
Bill Foss	NUS Corporation, FIT 2	Sample Management Officer
Joe Filosa	NUS Corporation, FIT 2	Sampler
Anthony Bonasera	NUS Corporation, FIT 2	Sampler

7. Weather Conditions:

Partly cloudy, 40° F, wind from the north at approximately 5-10 mph.

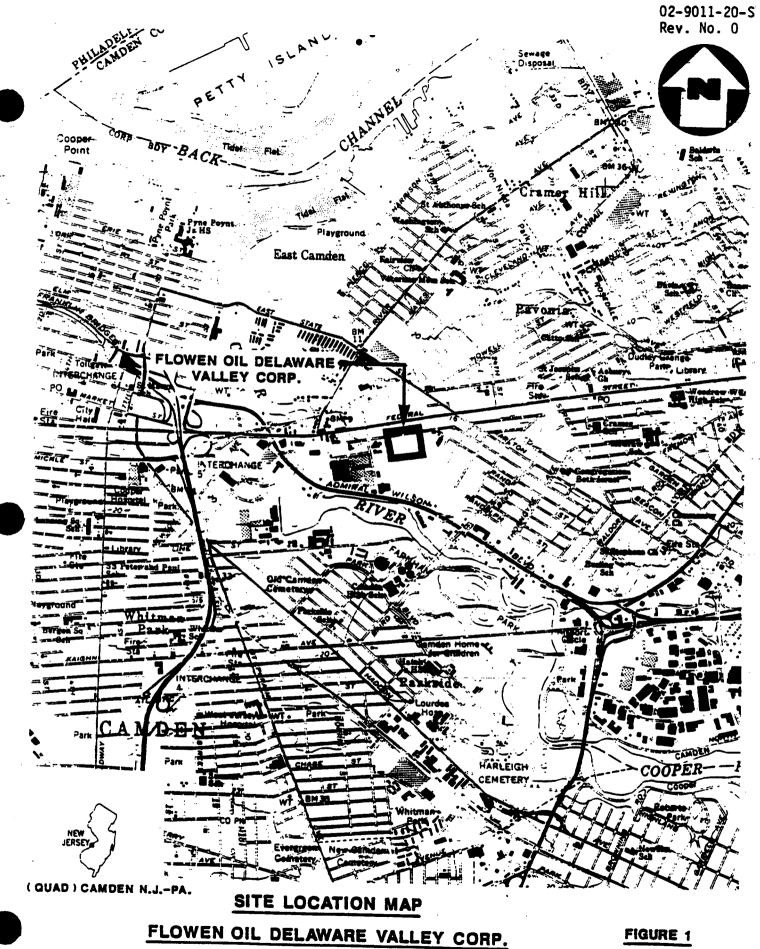
8. Additional Comments:

All samples except for the trip blank will be analyzed for Target Compound List (TCL) organic and inorganic compounds, excluding cyanide. The trip blank will be analyzed for volatile organic compounds only.

A trailer was parked over MW1, making it inaccessible to the sampling team. MW2 contained no water; therefore, it could not be sampled. No readings above background were detected on the OVA, HNu, or Monitor 4 at the sample location. Samples were split with Remtech Environmental Group.

9.	Report Prepared By:	Kathy Indelicato	Date:	March 7, 1991
10.	Approved By: Am /	Jaman	Date:	3/13/91



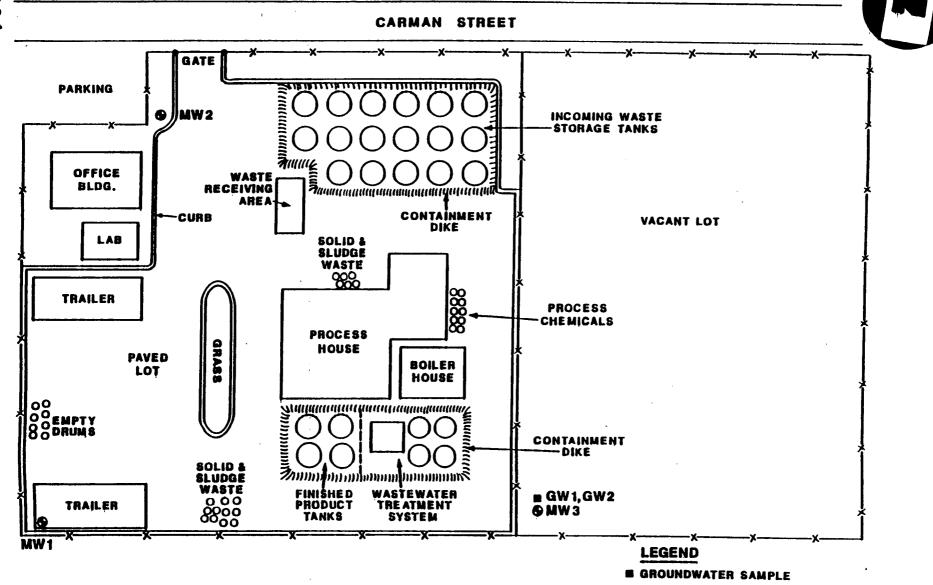


CAMDEN, N.J.

SCALE: 1"- 2000'



 $\subset$ 



SAMPLE LOCATION MAP

FLOWEN OIL DELAWARE VALLEY COM., CAMDEN, N.J.

NUS

FIGURE 2

NOT TO SCALE

02-9011-20 Rev. No. 0

# TABLE I SAMPLE DESCRIPTIONS FLOWEN OIL DELAWARE VALLEY CORP. CAMDEN, CAMDEN CO., NEW JERSEY CASE NO. 16001

NUS Sample <b>KD</b> Number	CLP CLP Organic Inorganic Sample Number Number	Collection Time	Sample <u>Type</u>	Sample <u>Location</u>
NJHV- <b>GW1*</b>	BHE17 1.0 MBFQ14	1510	Aqueous	Groundwater sample collected from MW3.
NJHV- <b>GW2**</b>	BHE18 1. OMBFQ15	1510	Aqueous	Same location as sample NJHV-GW1.
NJHV- <b>RIM1</b>	BHE21 1.0 MBFQ18	1023	Aqueous Rinsate Blank.	Bailer rinsate collected in the field.
NJHV-TIBLK1	BHE22 1, O N/A	0948	Aqueous Trip Blank	Trip blank; demonstrated analyte-free water obtained from NUS Region 2 FIT, Edison, NJ.

#### Notes:

Agent Care.

- \* MS/MSD Indicates that additional sample volume was collected and shipped to the laboratory for matrix spike (MS) and matrix spike duplicate (MSD) analysis.
- \*\* Duplicate Indicates that a sample was designated for duplicate analysis.

N/A Not applicable

PAGE OF

#### TOTAL REVIEW

## CLP DATA ASSESSMENT

Functional Guidelines for Evaluating Organics Analysis

Case No. 16001 SDG No. BHETT LABORATORY SITE FLOWER CITY

### DATA ASSESSMENT:

The current functional guidelines (1988) for evaluating organic data have been applied.

All data are valid and acceptable except those analytes which have been qualified with a "J" (estimated), "U" (non-detects), "R" (unusable), or "JN" (presumptive evidence for the presence of the material at an estimated value). All action is detailed on the attached sheets.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant QC problems the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Reviewer's Signature: Date: 5 / 6 /199/
Verified By: Landa Frendan Date: 5 / 7 /199/

### DATA ASSESSMENT:

5. CALIBRATION:

A. 9 2

A) PERCENT RELATIVE STANDARD DEVIATION (%RSD) AND PERCENT DIFFERENCE (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be <30% and %D must be <25%. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ" (if %D or RSD >50%). If there is a gross deviation of %RSD and %D, the non-detects may be rejected ("R").

For the PCB/PESTICIDE fraction, %RSD for aldrin, endrin, DDT, and dibutylchlorendate must not exceed 10%. Percent D must be within 15% on the quantitation column and 20% on the confirmation column.

BN- In (Ichloreusprepul) there was flaged interacted "5" un BHE17+18 Line to CCC 750%.

#### DATA ASSESSMENT:

## 2. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip field, rinse and water blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field blanks measure cross-contamination of samples during field operations. If the concentration of the analyte is less than 5 times the blank contaminant level (10 times for the common contaminants), the analytes are qualified as non-detects, "U". The following analytes in the samples shown were qualified with "U"

A) Method blank contamination

VOH MEtropia chloude & content and flagged mondetect "."

Les BHE17+13.

- Diensenwichiana and flagged indicate "" an BHE18.

B) Field or rinse blank contamination ("water blanks" or "distilled water blanks" are validated like any other sample)

C) Trip blank contamination

ATT7	CHM	ENT	1
	NO.		

	Ü		
PAGE	_	OF	•

DATA ASSESSMENT:

10. OTHER QC DATA OUT OF SPECIFICATION:

11. SYSTEM PERFORMANCE AND OVERALL ASSESSMENT (continued on next page if necessary):

12. CONTRACT PROBLEMS\_\_\_NON-COMPLIANCE:

4.4

13. This package contains re-extraction, re-analysis or dilution. Upon reviewing the QA results, the following form I(s) are identified to be used.

CASE NO. 16CC/	AL DATA AS	SESSUENT SU	MARY	Kepos
SDG NO. BHEIT		TORY CE		
sow782	DATA US	SER F/	アン	
	REVIEW	COMPLETION	N DATE _5-	6-91
	SOIT C			
REVIEWER [] ESD [] ESAT M OTHER	CONTRACT	CONTRACTO	R <u>F17</u>	
1. HOLDING TIMES	VOA	BNA	PEST	OTHER
2. GC-MS TUNE/ GC PERFORMANCE		<u>C.</u>		
3. INITIAL CALIBRATIONS 4. CONTINUING CALIBRATIONS				
4. CONTINUING CALIBRATIONS 5. FIELD BLANKS CT		$\sim$		
5. FIELD BLANKS ("F" = BOX applicable) 6. LABORATORY BLANKS		$\overline{\mathbb{C}}$		
7. SURROGATES				
8. MATRIX SPIKE/DUPLICATES				
9. REGIONAL QC (T = not applicable)	<del></del>			
10. INTERNAL STANDARDS		<u></u>		
11. COMPOUND IDENTIFICATION				
12. COMPOUND QUANTITATION				-
13. SYSTEM PERFORMANCE				<del></del>
14. OVERALL ASSESSMENT	<del></del>			
O = No problems or minor problems that do X = No more than about 5% of the data points A = More than about 5% of the data points A = More than about 5% of the data points	wis are derive	EG 25 Aither as	imated or unus	able.
O ACTION ITEMS:				
			-	
EAS OF CONCERN:				

SITE NAME: PIL DELAWARE VALLEY CORP. TDD#: 02-90 SAMPLING DATE: 3/5/91

EPA CASE NO.: 16001 LAB: CEIMIC

. 3	
VOLATILES Sample ID No.	, , , , , , , , , , , , , , , , , , ,
Traffic Report No.	NJHV-GN1(MS/MSD
Matrix	BHE17
Units	WATER ug/L
Dilution Factor	1.0
Percent Moisture	1.0
Chloromethane	
Bronomethane	1
Vinyl Chloride	. j
Chloroethane	;
Methylene Chloride	1
Acetona	
Carbon Disulfide	
1.1-Dichloroethene	
1,1-Dichloroethane	j
Trans-1,2-Dichloroethene (total)	11
Chloroform	1
1,2-Dichloroethane	į
2-Butanone	1
1,1,1-Trichloroethane	Ì
Carbon Tetrachloride	<u>†</u>
Vinyl Acetate	-
8romodichloromethane	1
1,2-Dichloropropane	; †
cis-1,3-Dichloropropene	1
Trichloroethene	1
Dibromochloromethane	;
1,1,2-Trichloroethane	1
Benzene	1.
trans-1,3-Dichloropropene	
Bronoform	
4-Methyl-2-Pentanone	
· 2-Hexanone	
Tetrachloroethene	į
Toluene	į
1,1,2,2-Tetrachloroethane	i
Chlorobenzene	į
Ethylbenzene	;

#### NOTES:

Styrene Xylenes (Total)

Blank space - compound analyzed for but not detected

- $\ensuremath{\mathrm{B}}$  compound found in lab blank as well as sample, indicates possible/probable blank contamination
- E estimated value
- J estimated value, compound present below CRQL but above IDL
- R analysis did not pass EPA QA/QC
- N Presumptive evidence of the presence of the material
- MR analysis not required

Detection limits elevated if Dilution

Factor >1 and/or percent moisture '0%

SD) NJHV-GW2(DUP) NJHV-RINI NJHV-TBLK1 BHE18 BHE21 BHE22 WATER WATER WATER ug/L ug/L ug/L 1.0 1.0 1.0

08/91

SITE NAME: FLOWEN OIL DELAWARE VAL TDD#: 02-9011-20	LEY CORP.				
SAMPLING DATE: 3/5/91 EPA CASE NO.: 16001 LAB: CEIMIC		ers.			
SEMI-VOLATILES	1			:	
Sample ID No.	` ;	NJHV-GW1	NJHV-GW2	MANUE BANK	
Traffic Report No.	;	BHE17	'BHE18	NJHV-RINI	NJHV-TBLK1
Matrix		WATER	WATER	DITEZI	BHE22
Units		ug/L		. WATER	WATER
Dilution Factor/GPC Cleanup (Y)	-	1.0	ug/L 1.0	ug/L	ug/L
Percent Moisture				1.0	N/A N/A
Phenol			*************		NR
bis(2-Chloroethyl)ether	1				HR
2-Chlorophenol	;				NR.
1,3-Dichlorobenzene	! *				NR
1,4-Dichlorobenzene	;				MR
Benzyl alcohol	;				NR
1,2-Dichlorobenzene	;				NR
2-Methylphenol					NR
bis(2-Chloroisopropyl)ether	ļ				MR
4-Methylphenol	•				NR
M-Mitroso-di-n-dipropylamine Hexachloroethane	į				NR
Nitrobenzene	į				NR
Isophorene	į				NR
2-Nitrophenol					NR
2,4-Dimethylphenol					NR
Benzoic acid	i				NR
bis(2-Chloroethoxy)methane					NR
2,4-Dichlorophenol	į				NR
1,2,4-Trichlorobenzene					NR
Maphthalene	1				HR
4-Chloroaniline	1				NR
Hexachlorobutadiene	1				NR
4-Chloro-3-Methylphenol	;				NR
2-Methylnaphthalene	1				NR.
Hexachlorocyclopentadiene	:				MR
2,4,6-Trichlorophenol	i				NR ""
2,4,5-Trichlorophenol	:				MR
2-Chloronaphthalene					NR NR
2-Mitroaniline	;			•	NR NR
Dimethylphthalate	!				NR NR
Acenaphthylene					NR
2,6-Dinitrotoluene					NR
3-Mitroaniline	į				NR.
Acenaphthene	í				NR
2,4-Dinitrophenol	į				NR.
4-Nitrophenol	į				NR
Dibenzofuran	i				NR
2,4-Dinitrotoluene					NR
Diethylphthalate	;				NR.
4-Chlorophenyl-phenyl ether	į	<b>€</b>			NR NR
Chianana	- !	(A)		,	HR .
I-Mitroaniline  I,6-Dinitro-2-methylphenol I-nitrosodiphenylamine	<b>Z</b>   (	ZAL.		i	NR
4,6-Dinitro-2-methylphenol	; د	As.		i .	NR
I-nitrosodiphenylamine CC	<b>)</b> :	•		!	NR
I-Bromophenyl-phenyl ether	;				NR
exachlorobenzene	!			•	HR

 $(x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{ij}, x_{$ 

-

35/08/

SITE NAM MNEN OIL DELAWARE VALLEY CORP. TODE: SAMPLING DATE: 3/5/91 EPA CASE NO.: 16001 LAB: CEIMIC

SEMI-VOLATILES Sample ID No. Traffic Report No. Matrix Units Dilution Factor/GPC Cleanup (Y) Percent Moisture		NJHV-GW1 BHE17 WATER Ug/L 1.0	NJHV-GW2 BHEL8 WATER Ug/L 1.0	NJHV-RINI BHE21 Water Ug/L 1.0	NJHV-TBLK1 BHE22 WATER Ug/L H/A N/A
Pentachlorophenol Phenanthrene Anthracene Di-n-butylphthalate fluoranthene Pyrene Butylbenzylphthalate 3,3'-Dichlorobenzidine Benzo(a)anthracene Chrysene bis(2-Ethylhexyl)phthalate Di-n-octylphthalate Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Indeno(1,2,3-cd)pyrene Dibenz(a,h)anthracene Benzo(g,h,i)perylene	*				NR MR MR MR MR MR MR MR MR MR MR MR MR MR

#### NOTES:

Blank space - compound analyzed for but not detected

- 8 compound found in lab blank as well as sample, indicates possible/probable blank contamination
- E estimated value
- J estimated value, compound present below CRQL but above IDL
- R analysis did not pass EPA QA/QC
- N Presumptive evidence of the presence of the material
- NR analysis not required

Detection limits elevated if Dilution

Factor >1 and/or percent moisture >0%

SITE NAME: FLOWEN OIL DELAWARE VALLEY CORP.

TDD#: 02-9011-20

... SAMPLING DATE: 3/5/91

\* EPA CASE NO.: 16001 LAB: CEIMIC

PESTICIDES Sample ID No. Traffic Report No. Matrix Units Dilution Factor/GPC Cleanup (Y) Percent Moisture	NJHV-GM1 BHE17 WATER Ug/L 1.0	NJHV-GW2 8ME18 WATER Ug/L 1.0	NJHV-RIN1 BHE21 WATER Ug/L 1.0	NJHV-TBLK1 BHE22 Water Ug/L H/A N/A
alpha-8HC	!			NR
beta-BHC				NR
delta-BHC gamma-BHC (Lindane)				MR
Heptachlor	i			MR
Aldrin	1			NR Nr
Heptachlor epoxide	!	ı		na NR
Endosulfan I				NR
Dieldrin	i			NR.
4,4'-DDE				NR
Endrin	!			NR
Endosulfan II	1			NR
4,4'-DDD				NR
Endosulfan sulfate 4.4'-DDT				HR
Methoxychlor	i			NR
Endrin ketone	i L			NR
alpha-Chlordane	1			NR NR
gamma-Chlordane	!			NR NR
Toxaphene	!			NR NR
Aroclor-1016	, !			NR
Aroclor-1221	:			NR.
Aroclor-1232	! !	T.		NR
Aroclor-1242	: } !			NR
Aroclor-1248	1 1			NR
Aroclor-1254	1 1			NR
Aroclor-1260				NR

#### NOTES:

Blank space - compound analyzed for but not detected

- B compound found in lab blank as well as sample, indicates possible/probable blank contamination
- E estimated value
- J estimated value, compound present below CRQL but above IDL
- R analysis did not pass EPA QA/QC
- N Presumptive evidence of the presence of the material
- NR analysis not required

Detection limits elevated if Dilution Factor >1 and/or percent moisture >0%



Type of lew: /ota/	of 91
Project: Florien Cil	Unse #: /(CO)
Reviewer's Initials:	Inh Name: Centric
	Number of Samples: 4/ // / 5

# Analytes Rejected Due to Exceeding Review Criteria:

	Surrogates	Holding Time	Callbration	Contamination			
<u>Acids (15)</u>			·	Continuities	 Other	Total # Samples	Total # Nejected/ Total # in all Samples
IVN (50)						<del></del>	C/60
VOA (35)		5/3(E)		5/2	 	4	0/200
<u> </u>						4	5/140
ICH (7)			:		 		( / 30
1000 (1)		:			 	4.	0/28
		_Analy	tes Estimato	l Due to Franci			(/0

# Analytes Estimated Due to Exceeding Review Criteria for:

Actds (15)			
D/N (50)	ala	4	0/60
VOA (35)		4	2/200
PEST (20)		4	C/14C
CN (7)		<u> </u>	C / 10
ICDD (1)		4	(/26
10 P		(`	0/0

_ab Na	ame: <u>CEIMIC COR</u>	P	Contract: <u>68090056</u>	BHE17	
Lab Co	de: CEIMIC	Case No.: 16001	SAS No.: SD	G No.: BHE1	<del>'</del>
	:: (soil/water)	WATER	Lab Sample ID		-
Sample	wt/vol:	<u>5.0</u> (g/mL) <u>ML</u>	Lab File ID:	F2553	
_evel:	(low/med)	LOW	Date Received	03/06/91	
% Mois	sture: not dec.		Date Analyzed	03/12/91	:
Column	: (pack/cap)	PACK	Dilution Facto		-
	CAS NO		CONCENTRATION UNITS	<b>.</b>	
	CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/</u> (	Q	•
:	74-87-3	Chloromethane_		•	-;
;				10  U	:
				10 10	<b>!</b>
				1  J	
:	75-09-2	Methylene Chlor	ide	10 10	:
			4	6 184	
:	75-15-0	Carbon Disulfid	<u> </u>	14 1 <del>3</del> U	
•	, , , , , , , , , , , , , , , , , , , ,			5 !U	
;			355	<b>5</b> !U	
	- コマレースォー(ノーーニー)			2 1	:
:	67-66-3	Chloroform		11	į
:	107-06-2	Chloroform1,2-Dichloroeth	ane	5 (0	•
i	78-93-3	2-Butanone		5 !U	i
;	71-55-6	1,1,1-Trichloro	ethane	10 !U 5 !U	i
				5 :U	i
	200 00 4	TTVINVI ACETATA	•	10 :U	1
	, , , , , , , , , , , , , , , , , , , ,		<b>*</b>	5 :0	i
i	/5~5/-3	1.2-Dichlorooro	0.300	5 10	•
				5 10	•
•	\3~\1~0~~~~~~~		············	5 IU ·	•
	124-48-1	Dibromochlares	45.00	5 10	•
	/3-00-3	1.1.2-Trichloro	ethane !	5 iu	
1	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		•	5 10	
i	10061-02-6	Trans-1,3-Dichl	oropropene !	5 10	
į	75-25-2	Bromoform		5 10	!
Ĭ.	108-10-1	Bromoform 4-Methyl-2-Pent	anone	10 10	:
		7-Hayanaa		10 :	
i	127-18-4	Tety achi anachh	ne	5 10	<u>.</u>
i	/7-34-5	·1 1 2 2-t	\$	5 IU	• !
	100-00-3			5 10	:
!				5 10	• !
;	100-41-4	TTEIDVIDANTAAA.		5 :U	
i	100-42-5	Stvrana		5 :U	
. <b>!</b>	1330-20-7	Total Xylenes		5 (U	913
•			<u>!</u>	•	•

# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ame: CEIMIC CORP	Contract: 68090056 BHE17
ab Code: CEIMIC Case No.: 15001	SAS No.: SDG No.: BHE17
ample wt/vol: 5.0 (G/ml) MI	Lab Sample ID: <u>910128-01</u>
evel: (low/med) LOW	F 2553
Moisture: not dec.	Date Received: 03/06/91
olumn (pack/cap) <u>PACK</u>	Date Analyzed: <u>03/12/91</u> Dilution Factor: <u>1.0</u>

\_mber TICs found: \_\_3

CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>

2. 000000	COMPOUND NAME Unknown Unknown Unknown	RT   =======   10.24   12.64   30.09	EST. CONC. 9.0 6.0	IJN
		' ———·	·	1

# VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

\_ab Name: CEIMIC CORP BHE18 \_\_\_\_\_ Contract: 68090056 Lab Code: CEIMIC Case No.: 16001 SAS No.: \_\_\_\_\_ SDG No.: BHE17 Matrix: (soil/water) WATER Lab Sample ID: 910128-02 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B9127 \_evel: (low/med) LOW Date Received: 03/06/91 % Moisture: not dec. Date Analyzed: 03/11/91 lolumn: (pack/cap) Dilution Factor: 1.0 CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) ,UG/L Q 74-87-3-----Chloromethane\_\_\_\_ 74-83-9-----Bromomethane\_\_ 10 | 75-01-4-----Vinyl Chloride\_\_\_\_ 10-75-00-3-----Chloroethane\_ 10 75-09-2----Methylene Chloride\_\_\_\_! 10 10 67-64-1-----Acetone\_ HBJ (L 75-15-0-----Carbon Disulfide\_ 10 7 HOJ U 75-35-4----1,1-Dichloroethene\_ 111 75-34-3----1,1-Dichloroethane\_ 5 !U 540-59-0----1,2-Dichloroethene (total)\_ 1 IJ 67-66-3----Chloroform\_ 107-06-2----1,2-Dichloroethane\_ : 11 78-93-3----2-Butanone\_ IЦ : 71-55-6-----1,1,1-Trichloroethane\_\_ 10 IU : 56-23-5-----Carbon Tetrachloride\_\_\_\_ 5 IU 108-05-4-----Vinyl Acetate\_ : U 75-27-4----Bromodichloromethane\_\_\_\_ 10 111 1 78-87-5-----1,2-Dichloropropane\_ !U 1 10061-01-5----cis-1,3-Dichloropropene\_\_\_\_ !U 79-01-6----Trichloroethene IU 124-48-1----Dibromochloromethane\_ 5 IU 79-00-5----1,1,2-Trichloroethane\_ 5 IU 71-43-2----Benzene\_ IU 10061-02-6----Trans-1,3-Dichloropropene\_ !U 75-25-2----Bromoform\_\_\_ !U 108-10-1----4-Methy1-2-Rentanone\_ 5 :U 591-78-6----2-Hexanone\_\_\_ 10 IU 127-18-4----Tetrachloroethene\_ 10 !U 1 79-34-5----1,1,2,2-Tetrachloroethane\_\_\_ 5 : U 108-88-3----Toluene\_\_\_ : 11 108-90-7-----Chlorobenzene\_\_\_ 5 !U 1 100-41-4----Ethylbenzene !U 100-42-5----Styrene\_ :U 1330-20-7----Total Xylenes\_ : U 111



	MEATILE ORGANIOS AND TENTATIVELY IDENTIFES	JUNDS	SF4 GHMPLE N
Lab Conse	(IT CACH		8HE18
် ab Coce: ည	<u>iC</u> Case No.: <u>16001</u>	SAS No.:	SDG No.: BHE17
<sup>ld</sup> ≤ : (soi	1/water) WATER	lah Gamain	TD: <u>910129-02</u>
s Jampie wt/vo	1: <u>5.0</u> (g/mL) <u>ML</u>	Lab File ID	B9127
Level: (1	ow/med) LOW	, Nata Pormiya	od - 03/05/91
% Moisture:	not dec.	Date Analyze	ed: <u>03/11/91</u>
.Column goa	ck/cao) <u>CAP</u>	Dilution Fac	tir: 1.0
2.400.000		Gradulta buril barangangan di baranga Tabunggan (Paranggan)	3: 
The same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sa		akan haran dan saku dan an an in 16 ke <del>ndahan mengapan dan</del> kelah saku pan sagai sa	

1. 000000 2. 000000 3. 000000

Turiknown Tunknown

Contract: 68090086 BHE21
<u>20030036</u>
SAS No.: SDG No.: RHE17
SDG No.: BHE17
lab Camala an
Lab File ID: <u>B9128</u>
Date D.
bate Received: 03/06/91
Date Analyzed: 03/11/91
Dilution Factor: 1.0
CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> Q
L E
3 J
ide10 !U
4 BJ
10 IU
iene — ; t
lane i juliji
ene (total)
ane 5 iU ;
_ , _
ethane
5  U   10  U
DADA
JULIOPARA : " 'Y )
thane :
3 iu i
propropene5 !U
none
e
oroethane5 !U
5 !U 5 !U 5 !U
5 111

# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

ab Name: <u>CEIMIC CORP</u> Con	tract: <u>68090056</u> BHE21
Lab Code: <u>CEIMIC</u> Case No.: <u>16001</u> SA	S No.: SDG No.: BHE17
Matrix: (soil/water) WATER	Lab Sample ID: 910128-03
Sample wt/vol: 5.0 (g/mL) ML	Lab File ID: <u>B9128</u>
Level: (low/med) <u>LOW</u>	Date Received: 03/06/91
% Moisture: not dec.	Date Analyzed: 03/11/91
Column (pack/cap) <u>CAP</u>	Dilution Factor: 1.0

Number TICs found: 5

CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>

CAS NUMBER	: COMPOUND NAME	! RT !	EST. CONC.   Q
1. 000000	(Unknown	10.89	13  BJ
2. 000000	Unknown	15.69	6.0 BJ
3. 000000	Unknown	16.09	8.0 BJ
4. 000000	Aliphatic hydrocarbon	19.50	8.0 BJ
5. 000000	Aliphatic hydrocarbon	21.30	15  BJ

Lab Name: CEIMIC CORP

Contract: 68D90056

Lab Code: CEIMIC Case No.: 15001 SAS No.: SDG No.: BHE17

Matrix: (soil/water) WATER

Lab Sample ID: 910128-04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B9129

Level: (low/med) LOW

Date Received: 03/06/91

% Moisture: not dec.

Date Analyzed: 03/11/91

Column: (pack/cap) CAP

Dilution Factor: 1.0

:	CAS NO.	COMPOUND	CONCENTRO	ATION UNITS: ug/Kg) <u>UG/L</u>		Q	
	75-01-4	ChloromethaneBromomethaneVinyl ChlorideChloroethaneMethylene ChlorideAcetoneCarbon Disulfide1,1-Dichloroethane1,2-Dichloroethane1,2-Dichloroethane1,2-Dichloroethane1,1,1-TrichloroethCarbon TetrachloriVinyl AcetateBromodichlorometha1,2-Dichloropropancis-1,3-DichloroprTrichloroetheneDibromochlorometha1,1,2-TrichloroethBenzeneTrans-1,3-DichloropBromoform4-Methyl-2-Pentanop2-Hexanone	(total)  ane de ne e opene propene ne oethane		3200455555555555555555555555555555555555	BJ	
•				,		. i	_:

# VOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

1. 000000

2. 000000

3. 00000

HUnknown

Unknown

Unknown

EPA SAMPLE NO.

12 |BJ

6.01BJ

8.01J

ame: CEIMIC CORP	Contract: 68090056   BHE22
b Code: CEIMIC Case No.: 16001	SAS No.: SDG No.: BHE17
trix: (soil/water) <u>WATER</u>	Lab Sample ID: 910128-04
mple wt/vol: <u>5.0</u> (g/mL) <u>ML</u>	
vel: (low/med) <u>LOW</u>	Date Received: <u>03/06/91</u>
Mnisture: not dec	Date Analyzed: 03/11/91
lumn (pack/cap) <u>CAP</u>	Dilution Factor: 1.0
mber TICs found: <u>3</u>	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>
CAS NUMBER : COMPOUND NAME	RT EST. CONC : C

2338

10.89 ;

15.72 ;

16.10 |

Lab Name: <u>CEIMIC CO</u>	₹P	Contract. Conces-	BHE17
Lab Code: <u>CEIMIC</u>		Contract: <u>68D90056</u>	
Matrix: (soil/water)		SAS No.: SI	G No .: BHE17
	WATER	Lab Sample ID	: <u>910128-01</u>
Sample wt/vol:	1000 (g/mL) <u>ML</u>	_ Lab File ID:	D5303
Level: (low/med)	LOW	Date Received	
% Moisture: not dec.	dec	Date Extracted	<u> </u>
Extraction: (SepF/	Cont/Sonc) <u>SEP</u> F	_	
GPC Cleanup: (Y/N)		- Jave Anaryzed:	
, , , , , , , , , , , , , , , , , , , ,	<u>N</u> pH: 7.	7 Dilution Facto	or: 1.0
CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg) <u>UG/L</u>	Q
108-95-2	Phenol		!
111-44-4	bis(2-Chloroethy	1)Ether	10 (0 )
! 5d170 4	Dis(2-Chloroethy) 2-Chlorophenol		10 (U )
! 105-45 7	1.3-Dichlorobenze	ene	10 (0 (
1 100-46-/	1,3-Dichlorobenze 1,4-Dichlorobenze Benzyl Alcobel	ene .	10 (U ;
100-31-6	1,4-Dichlorobenze Benzyl Alcohol		10 10 1
1 95-50-1	Benzyl Alcohol 1,2-Dichlorobenze 2-Methylobense	ene '	10 (U )
95-48-7	2-Methylphenol		10  U
			10 10 1
106-44-5	01s(2-Chloroisopr 4-Methylphenol N-Nitrosa-Di	opyroconer	10 103 1
621-64-7	-N-Nitroso-Di-n-Pr	innyl amine	10 (0 )
67-72-1	Nitroso-Di-n-Pr Hexachloroethane_ Nitroboo-	oblighter :	10 (0 )
: 98-95-3	Nitrobenzene		10 (0 )
: 78-59-1	Isophorone		10 (U )
1 00-/3-3	7-Nit-		10 (U )
105-67-9	-2,4-Dimethylpheno	1	10   10   _
1 65-85-0	-Benzoic Acid		10 10 1
			50 ¦U ¦
120-83-2	-2.4-Dichloropheno	y/methane	10 (U (
120-82-1	bis(2-Chloroethox -2,4-Dichloropheno -1,2,4-Trichlorobe -Naphthalene	i	10 (U )
91-20-3	-Naphthalene		10
			10 (U (
87-68-3	-4-Chloroaniline -Hexachlorobutadier -4-Chloro-2-Math	30	10 (U )
59-50-7	-nexachlorobutadien -4-Chloro-3-Methylp -2-Methylp	Thenol	10 10 1
91-57-6	-4-Cnloro-3-Methylp -2-Methylnaphthaler -4eyachlorocycl		10 (U )
77-47-4	-2-metnylnaphthaler -Hexachlorocycloper -2 4 6-Twisbler	rtadione i	ro in i
88-06-2	-Hexachlorocycloper -2,4,6-Trichlorophe -2.4.5-Trichlorophe	redienei	ro in i
1 95-95-4	-2,4,5-Trichlorophe -2,4,5-Trichlorophe -2-Chlorophe	mol	.0 іп і
91-58-7	-2,4,5-!richlorophe -2-Chloronaphthalen -2-Nitroppilis		50 (U )
1 88-74-4	-2-Unioronaphthalen -2-Nitroaniline -Dimethyl Bhthai	1	0 10 1
1, 131-11-3	-Dimethyl Phthalate	<del></del> ! , 5	io ;
1 208-96-8	-Acompatite	1	0 10 1/
606-20-2	-2,6-Dinitrotoluene	1	0 11 1
<u> </u>	-, - binitrotoluene	. 1	o in !

FORM I SV-1

<b>.</b>	_ab Name: <u>CEIMIC CORP</u>	Contract: 68D90056	
	Lab Code: <u>CEIMIC</u> Case No.: <u>16001</u>	SAS No.: SDG No.: BHE17	
٨	Matrix: (soil/water) <u>WATER</u>	1 ab C 1	
. S	Sample wt/vol: 1000 (g/mL) <u>ML</u>		
L	evel: (low/med) <u>LOW</u>	D-4 - D	-
%	Moisture: not dec dec	Date Received: <u>03/06/91</u> Date Extracted: <u>03/11/91</u>	
E	xtraction: (SepF/Cont/Sonc) <u>SE</u> F	PE Dobin A .	
GF	PC Cleanup: (Y/N) N pH: _7		
:	CAS NO. COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u> 0	
	99-09-23-Nitroaniline_		
	83-32-9Acenaphthene	50 (0 )	
	100-02-74-Nitrophenol	50 10	
	132-64-9	50 111	
_		10 11	
	84-66-2Diethylphthalate	ene 10 U	
	7005-72-3 4 ou	10 11	
	7005-72-34-Chlorophenyl-p	phenylether 10 U	
	86-73-7Fluorene   100-01-64-Nitroaniline	10 10	
	534-52-1	50 10	
	534-52-14,6-Dinitro-2-Mg	thylphenol 50 (U	
	86-30-6N-Nitrosodipheny	lamine (1)	
	101-55-3Hexachlorobons	envlether 10 (U	
	118-74-1Hexachlorobenzen	e 10 (U )	
	87-86-5Pentachloropheno	10 (U	
		50 (0 ***)	
	120-12-7Anthracene	10 ·  U	
		ate .10 (U )	
	206-44-0Fluoranthene	10 10 1	
	129-00-0Pyrene	10 (U )	
	OUTDAY/=====	10 (U )	
	91-94-13,3'-Dichlorobenz	10 IU I	
	56-55-3Benzo(a)Anthracer 218-01-9Chrysene	20 (U )	
	218-01-9Chrysene	10 10 :	
		10  U	
	117-84-0Di-n-Octyl Phthal   205-99-2Benzo(h)Fluor	rnthalate! 10 !U !	
	205-99-2	10  U	
	207-09-9	ene	
	50-32-8 D	ene   10 !!! !	
	193-39-5	i 10 !!! :	
	53-70-3	yrene	
	53-70-3Dibenz(a,h)Anthra 191-24-2Benza(a,h)i)Port	cenei 10 IU	
	- variation to replace the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec	ene 10 !!! ' OG	_ـ
	(1) - Cannot be see		5
	(1) - Cannot be separated from Dipho	enylamine	
		and the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contra	

220

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

Lab Name: <u>CEIMIC CORP</u> Contract	t: <u>68D90056</u>	BHE17
Lab Code: <u>CEIMIC</u> Case No.: 16001 SAS No.	.: spg	No.: BHF17
Sample ut /	Lab Sample ID:	
Level: (low/med) <u>LOW</u>	Lab File ID:	D5303
% Moisturg, and d		03/06/91
Extraction: (Seps/Cont.)	Date Extracted:	03/11/91
GPC Cleanup.		04/02/91
pH:	Dilution Factor:	1.0
Number TICs found: 1 CONCEN	TRATION UNITS: or ug/kg) <u>UG/L</u>	
CAS NUMBER COMPOUND NAME	PT   EST. (	CONC. Q
1. 000000   Unknown		9.01,0.6



Lab Name: CEIMIC CORP	Contract: <u>68D9005</u> 6	BHE18
ab Code: <u>CEIMIC</u> Case No.: 1600	)1 505 N	
Matrix: (soil/water) WATER	SAS No.: SDG	No.: BHE17
Sample wt/v-1-	Lab Sample ID:	910128-02
- (g/mL)	ML Lab File ID:	D5306
EOM FOR	Date Received:	
% Moisture: not dec dec.		03/06/91
Extraction: (SepF/Cont/Sonc)	Date Extracted: SEPF Date October	03/11/91
GPC Cleanum: (V/N) N	bave Analyzed:	04/02/91
pH:	7.7 Dilution Factor:	1.0
CAS NO. COMPOUND	CONCENTRATION UNITS:	
	(ug/L or ug/Kg) <u>UG/L</u>	Q
108-95-2Phenol	:	1
111-44-4bis(2-Chlorod 95-57-82-Chlorodhend	ethyl)Ether 1	o iu ;
95-57-82-Chlorophend 541-73-11,3-Dichlorophend	1	្ រប ដ
541-73-11,3-Dichlorob	penzene 1	9 IU ;
106-46-71,3-Dichlorob	enzene 10	o.t <b>u</b> ∈ ¦
100-51-6Benzyl Alcoho	10	ן טו כ
95-50-11,2-Dichlorob	907909	) (U ;
95-48-72-Methylphenol	10	ן טוי (
108-60-1bis(2-Chloroi 106-44-54-Methylpheno	SOOTOOVI ) Ethan	) (4 ;
106-44-54-Methylpheno	1 10	1117
621-64-7N-Nitroso-Di-	n-Propylania	)  U ;
67-72-1Hexachloroeth	ane 10	10 ;
98-95-3Nitrobenzene	10	1U ;
78-59-1Isophorone	10	: U ;
		10 ;
105-67-92,4-Dimethylph	10	ו ט ו
65-85-0Benzoic Acid	10	ΙΟ Ι
111-91-1bis(2-Chloroet	. 50	!U !
120-83-22,4-Dichloroph 120-82-11,2,4-Trichlor	leno!	iu ;
120-82-11,2,4-Trichlor 91-20-3Naphthalene	obenzene 10	:U ;
91-20-3Naphthalene 106-47-84-Chloroanilin	10	iu ;
106-47-8	e 10	1U ;
87-68-3Hexachlorobuta	diene 10	lu !
59-50-74-Chloro-3-Met 91-57-62-Methylgaphth	hylphenol	, tu :
91-57-62-Methylnaphth	alene 10	{U ;
77-47-4Hexachlorocycl	opentadiene 10	, IU :
88-06-22,4,6-Trichlore	ophenol 10	10 1
95-95-42,4,6-Trichlore 91-58-72-Chlorenaphth	Ophenol 10	:U ;
91-58-72-Chloronaphtha 88-74-42-Nitroanilio	alene 50	:U ;
88-74-42-Nitroaniline	10	1U ;
131-11-3Dimethyl Phthal 208-96-8Acenaphthylens	ate 50	U
208-96-8Acenaphthylene 606-20-22,6-Dinitrotal	10	10 1 200
606-20-22,6-Dinitrotolu	10	10 ;
1	10	10 /1 /2 *
		924

\_ab Name: <u>CEIMIC CORP</u> \_\_\_\_\_\_ Contract: <u>68D9005</u>6 BHE18 Lab Code: <u>CEIMIC</u> Case No.: <u>16001</u> SAS No.: \_\_\_\_\_ SDG No.: BHE17 Matrix: (soil/water) WATER Lab Sample ID: <u>9101</u>28-02 Sample wt/vol: 1000 (g/mL) ML Lab File ID: D5306 Level: (low/med) LOW Date Received: 03/06/91 % Moisture: not dec. \_\_\_\_ dec. \_\_\_ Date Extracted: 03/11/91 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/02/91 GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.0 CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) <u>UG/L</u> O | 83-32-9-----Acenaphthene\_ 50 10 | 51-29-5----2,4-Dinitrophenol\_\_\_\_\_ 10 ! U | 100-02-7----4-Nitrophenol\_\_\_\_\_ 50 : U | 132-64-9-----Dibenzofuran\_\_ 50 !U | 121-14-2----2,4-Dinitrotoluene\_\_\_\_ 10 10 | 84-66-2----Diethylphthalate\_ 10 ! U : 7005-72-3----4-Chlorophenyl-phenylether\_ 10 10 | 86-73-7----Fluorene\_ 10 ! U 100-01-6-----4-Nitroaniline\_\_\_\_\_ 10 10 | 534-52-1----4,6-Dinitro-2-Methylphenol\_\_\_\_ 50 !U : 86-30-6----N-Nitrosodiphenylamine (1)\_\_\_\_ 50 10 : 101-55-3-----4-Bromophenyl-phenylether\_\_\_ 10 ! U : 118-74-1-----Hexachlorobenzene\_\_\_ 10 10 : 87-86-5-----Pentachlorophenol 10 :U 85-01-8----Phenanthrene ~50~ !U | 120-12-7-----Anthracene\_ 10 !U | 84-74-2-----Di-n-Butylphthalate\_\_\_\_ . 10 !U : 206-44-0-----Fluoranthene\_\_\_\_ 10 ! U | 129-00-0-----Pyrene\_ 10 IU : 85-68-7----Butylbenzylphthalate\_ 10 IU ! 91-94-1-----3,3'-Dichlorobenzidine\_\_\_\_\_! 10 IU | 56-55-3-----Benzo(a)Anthracene\_\_\_\_ 20 10 | 218-01-9----Chrysene\_ 10 !U : 117-81-7-----bis(2-Ethylhexyl)Phthalate\_\_\_: 10 10 | 117-84-0----Di-n-Octyl Phthalate\_\_\_\_\_ 10 ~ 10 | 205-99-2----Benzo(b)Fluoranthene\_\_\_\_\_ 10 !U 207-08-9----Benzo(k)Fluoranthene\_\_\_\_ 10 l U | 50-32-8----Benzo(a)Pyrene\_ 10 1U 193-39-5----Indeno(1,2,3-cd)Pyrene\_\_\_\_ 10 : U | 53-70-3-----Dibenz(a,h)Anthracene\_\_\_\_ 10 ! U | 191-24-2----Benzo(g,h,i)Perylene\_\_\_\_ 10 111 10 !U (1) - Cannot be separated from Diphenylamine

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

TED COMPUN	IDS ;
ab Name: CEIMIC CORP Contra	ct: 68D90056 BHE18
ab Code: <u>CEIMIC</u> Case No.: <u>16001</u> SAS No.: Matrix: (soil/water) <u>WATER</u>	SDG No.: BHE17
Sample wt/vol: 1000 (g/mL) ML	Lab Sample ID: <u>910128-02</u>
Level: (low/med) LOW	Lab File ID: <u>D5306</u>
% Moisture	Date Received: <u>03/06/91</u>
Extraction: (SepF/Cont/Sonc) SEPF	Date Extracted: <u>03/11/91</u>
GPC Cleanup: (V/N)	Date Analyzed: 04/02/91
PH: 7.7	Dilution Factor: 1.0
Number TICs found: 1 CONCE	NTRATION UNITS: or ug/kg) <u>UG/L</u>
CAS NUMBER COMPOUND NAME	RT EST. CONC. Q
1. 000000   Unknown	====== ==== ====    11.27

284

Lab Name: <u>CEIMIC CORP</u> BHE21 Contract: 68090056 Lab Code: <u>CEIMIC</u> Case No.: 16001 SAS No.: \_\_\_\_ SDG No.: BHE17 Matrix: (soil/water) WATER Lab Sample ID: 910128-03 Sample wt/vol: 1<u>000</u> (g/mL) <u>ML</u> Lab File ID: D5347 Level: (low/med) LOW Date Received: 03/06/91 % Moisture: not dec. \_\_\_\_ dec. Date Extracted: 03/11/91 Extraction: (SepF/Cont/Sonc) SEPF Date Analyzed: 04/04/91 GPC Cleanup: (Y/N) N pH: \_\_8.8 Dilution Factor: 1.0 CONCENTRATION UNITS: CAS NO. COMPOUND (ug/L or ug/Kg) <u>UG/L</u> Ω 108-35-2----Phenol 111-44-4-----bis(2-Chloroethyl)Ether\_\_\_\_ 10 10 95-57-8-----2-Chlorophenol\_\_\_\_ 10 !U 541-73-1-----1,3-Dichlorobenzene\_ 10 !U | 106-46-7-----1,4-Dichlorobenzene\_\_\_\_\_| 10 ! U 100-51-6-----Benzyl Alcohol\_ 10 !U 95-50-1-----1.2-Dichlorobenzene\_\_\_\_ 10 :11 95-48-7-----2-Methylphenol\_ 10 : U | 108-60-1-----bis(2-Chloroisopropyl)Ether\_\_: 10 : 11 106-44-5-----4-Methylphenol\_ 10 !U 621-64-7----N-Nitroso-Di-n-Propylamine\_\_\_\_ 10 !U : 67-72-1-----Hexachloroethane\_\_\_\_ 10 10 : 98-95-3-----Nitrobenzene\_\_\_\_ 10 : 11 78-59-1-----Isophorone\_ 10 10 10 : 1 88-75-5----2-Nitrophenol 105-67-9----2,4-Dimethylphenol\_\_\_\_ 10 : U 65-85-0----Benzoic Acid\_ 10 IU 111-91-1----bis(2-Chloroethoxy)Methane\_\_\_: . 50 10 120-83-2----2,4-Dichlorophenol 10 !U 120-82-1-----1,2,4-Trichlorobenzene\_\_\_ 10 10 91-20-3-----Naphthalene\_ 10 111 106-47-8----4-Chloroaniline 10 111 87-68-3----Hexachlorobutadiene 10 !U : 59-50-7-----4-Chlora-3-Methylphenol\_\_\_\_ 10 l U | 91-57-6----2-Methylnaphthalene\_\_ 10 !U 77-47-4-----Hexachlorocyclopentadiene\_\_\_\_ 10 !U : 88-06-2-----2,4,6-Trichlorophenol\_ 10 ! U 95-95-4----2,4,5-Trichlorophenol\_\_\_\_ 10 ! 11 91-58-7----2-Chloronaphthalene\_\_\_\_ 50 !U | 88-74-4-----2-Nitroaniline\_ 10 !U 131-11-3-----Dimethyl Phthalate\_\_\_ 50 !U 208-96-8-----Acenaphthylene\_ 10 10 606-20-2----2,6-Dinitrotoluene\_\_\_\_ 10 : U 10 10

•	area thow Dive			P <u>+</u>	1
(1) - Cannot be sep	aratod 6		10	i U	286
191-24-2B	ibenz(a,h)Anthrace enzo(g,h,i)Perylen	inei	10	!U	1002
191-04-5	denzo(a)Pyrene ndeno(1,2,3-cd)Pyr ibenz(a,h)Anthrace enzo(q.h.i)Pervlo	ene		I Ü	;
				4.07	•
, <u>20-77-0-</u> ,		70 ,	10	10	i
1 20/208-8		ne	10	:U	i
. ZUD-99-0	. Trope incliava	T (2)	10 10	: U	
117-81-7	Dispension (2-Ethylhexyl)P	hthalate !	10	! U	!
1 11/591-7		•	10	10	;
· ************************************			20	!U	1
1 56-55-2	T'S Dichiorobenzi	dine	10	111	•
91-94-1	Butylbenzylphthala	te	10	Ü	į
· 1435UU=0===.		1	10	:0	:
84-74-2	Di-n-Butylphthalat Fluoranthene Pyrene	e!	10	; U	i !
1 64-74-9.			. 10	; U	i
1 1 20 - 10 - 7			10	יט: יט	
85-01-9	_envacororophenol		10 50		:
			10	: <del>-</del>	ł
1 110-/4-1	The second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th	DVIETDER 1	10	. —	:
101-55-2	-4,6-Dinitro-2-Met -N-Nitrosodiphenyl -4-Bromophenyl-sho	amine (1)	50		i
US4-52-1   86-20-5	-4-Nitroaniline -4,6-Dinitro-2-Met -N-Nitrosodinhenyl	bylahas	50		!
1 100-01-6-			iò		i !
86-73-7	-Fluorene	enylether	1 10		i
/ /////////////////////////////////////			10	. –	į
84-66-2	-Dibenzofuran -2,4-Dinitrotoluer -Diethylphthalate	ne	10		!
· · · · · · · · · · · · · · · · · · ·	_		50 1		
			1	. –	;
100-02-7	,4-Dinitropheno	1	- <u>1</u>	0 10	;
, <u> </u>			- 5		1
83-32-9   51-28-5	3-Nitroaniline Acenaphthene		i	1	
99-09-2	- 2 W.				
1	,	rugic or ug	1/Kg) <u>UG/L</u>		Q
SHO NU.	COMPOUND	CONCENTRAT	ION UNITS:		
CAS NO.					
	pH:	면 Dilu	tion Factor:	1.0	
GPC Cleanup: (Y/N)	N pH: 8.			04/04	/'31
μ.,,,	SEPI	Date Date	Analyzed:	0444	
Extraction: (SepF/	Cont/Sonc) SEPI		Extracted:	03/11	<u>/91</u>
	dec		. ~ .		_
% Moisture: not dec.	<del></del>	Date	Received:	03/06	5/91
Level: (low/med)	LOW			<u>D534</u>	/
	1000 (g/mL) <u>ML</u>	Lab	File ID:	DEDA	7
Sample wt/vol:	1000 (a/ml) M		Sample ID:	9101	<u>28-03</u>
	WATER	Lab			
Matrix: (soil/water)		SAS No.:	SDG	No.:	BHF17
Lab Code: <u>CEIMIC</u>	Case No.: <u>16001</u>	. CAG		'	
lab Cada and		Contract: 68	BD90056	BHE	21
_ab Name: <u>CEIMIC CO</u>	₹₽			1	
	i i	SIS DATA SHE	ET		SAMFL
	HINHLY	SIS DATA cue	<del>-</del> <del>-</del>	~ , _	SHMFI

## SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

Contract: <u>68090056</u> BHE21
SAS No.: SDG No.: BHE17
Lab Sample ID: <u>910128-03</u>
Lab File ID: D5347
Date Received: 03/06/91
Date Extracted: 03/11/91
Date Analyzed: 04/04/91
B Dilution Factor: 1.0
CONCENTRATION UNITS: (ug/L or ug/Kg) <u>UG/L</u>
RT EST. CONC. Q

287

1.1237

# PESTICIDE ORGANICS ANALYSIS DATA SHEET

EFA SAMPLE NO.

ab Name: <u>CEIMIC CORP</u>	Contract: 68	3 <b>0</b> 90056	   BHE17 
Lab Code: <u>CEIMIC</u> Case No.	: <u>15001</u>	SDG	No.: BHE17
WATER (Soil/Water) WATER	Lab	Sample ID:	
Sample wt/vol: 1000	/ = / = 1 ×	File ID:	
Level: (low/med) <u>LOW</u>	Dat	e Received:	03/06/91
% Moisture: not dec.	dec Dat	e Extracted:	
Satraction: (SepF/Cont/Sono	) <u>SEPF</u> Date	e Analyzed:	03/22/91
GPO Cleanup: (Y/N) N	pH: 7.7 Dile	ution Factor	1
CAS NO. COMPOL	CONCENTRAT	TION UNITS:	-
319-84-6	BHC (Lindane) hlor  hlor epoxide fan I in DE  fan II DD fan sulfate Trohlor ketone hlordane hlordane ne -1016 -1221 -1232 -1248		050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050   U   050

288

: +312

Lab Name: CEIMIC		Contract: <u>680</u>		BHE19
Lab Code: <u>CEIMIC</u>	Case No.: <u>15001</u>	_ SAS No.:	SDG	No.: BHE17
- Matrix: Nabil/wa -	(ter) <u>WATER</u>	Lab	Sample ID:	910128-02
vēscīla vivol: V	<u>1900</u> (g/mL) გ	<u> Lab</u>	File ID:	
Lavel: (low/m		Date	Received:	03/06/91
	dec dec		Extracted:	03/11/91
	epF/Cont/Sonc) <u>g</u>		Analyzed:	<u>03/23/91</u>
and Gramma: (	Y/M) <u>N</u> pH: _			
CAS NO.	COMPOUND	CONCENTRATI (ug/L or ug	ON UNITS:	. Q
319-86-8   58-89-6   76-44-8   309-00-2   1024-57-3-   959-98-3   60-57-1   72-55-9   72-54-8   1031-07-8-   50-29-3   72-43-5   53494-70-5   5103-71-9-   5103-74-2-   8001-35-2-   12674-11-2   11141-16-5-   53469-21-9-   12672-29-6-   11097-69-1-		ndane)  oxide  fate		.050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U   .050   U



1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EFA SAMPLE NO.

Lac Name: CEIMIC CORP Contract: 68D	90056 : BHE21
Lab Code: <u>CEIMIC</u> Case No.: <u>15001</u> SAS No.:	
Matrix: (spil/water) <u>WATER</u> Lab	Sample ID: <u>910128-03</u>
Sample wt/vol: 1000 (g/mL) ML Lab	File ID:
Level: (low/med) LOW Date	Received: <u>03/06/91</u>
% Moisture: not dec dec Date	Extracted: <u>03/11/91</u>
Extraction: (SepF/Cont/Sonc) SEPF Date	Analyzed: <u>03/23/91</u>
GPC Cleanup: (Y/N) N pH: 3.0 Dilu	tion Factor: 1
CONCENTRAT CAS NO. COMPOUND (ua/L or u	ION UNITS: g/Kg) <u>UG/L</u> Q
CAS NO. COMPSOND NAGY Z OF C	
.319-84-5alpha-BHC	_  0.050!U     0.050!U
: 319-85-7beta-BHC	_; 0.030;U ;
: 319-86-8delta-BHC	<del></del>
58-39-9gamma-BHC (Lindane)	_; 0.030;0 ; -; 0.050;U ;
1 75-44-8	_; 0.030;0 ; 0.050;U ;
309-00-2Aldrin	
1024-57-3Heptachlor epoxide	_; 0.050;U ;
959-98-9Endosulfan I	
60-57-1Dieldrin	
72-55-94,4'-DDE	_: 0.10:U
72-20-8Endrin	
33213-65-9Endosulfan II	
1 72-54-84,4'-DDD	0.10(U
1031-07-3Endosulfan sulfate	
1-50-29-34,4'-DDT	
1 72-43-5Methoxychlor	_  0.50 U
53494-70-5Endrin ketone	_: 0.10!U : -: 0.50!U :
5103-71-9alpha-Chlordane	
5103-74-2gamma-Chlordane	_! 0.50!U
1 8001-35-2Toxaphene	_! ' 1.0!U
12674-11-2Aroclor-1016	_: 0.50!U ;
11104-28-2Aroclor-1221	0.50:U
: 11141-16-5Aroclor-1232	0.50!U
53469-21-9Aroclor-1242	_: 0.50:U
12672-29-6Aroclor=1248	_: 0.50:U
: 11097-69-1Aroclor-1254	_  1.0 U   55
11096-82-5Aroclor=1260	_  1.0 U   

290

REFERENCE NO. 77

A. William

المن المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالمة المسالم المسالم المسالم المسالم المسالمة المسالمة المسالمة المسالمة ال

## STANDARD OPERATING PROCEDURE

Page 27 of 35

Title: Evaluation of Metals Data for the

Contract Laboratory Program
Appendix A.2: Data Assessment Narrative

Date: Feb. 1990 . Number: HW-2

Revision: 10

Case#	1/0/7/1		+-1		
- "	10.001	Site	Flower Oct	Matrix:	Soil
SDG#	MBFQ14	Lab	Ath		Water 3
Contra	ctor <u>FID</u>	Reviewer	12	<del></del>	
			3	·	Other
				•	
A.2.1	The case description				
	The case description a for rejection or quali	ification a	ons, if any, are sestimated value	noted below wit	h reason(s)
	D'Technoed o				
	W. 22.22 i. 4	<u> </u>	MUCO MUMBA	To generate	
	He measured conc	estatas	of Calibration	standards for	Yhose
•	analytis determin	DOLOTE	ALASIPH. Sax	-TL) Herebye	lina
	remission could	be med	to determine	He more	
	- colibiation well	to A aug	0.0 1100 100	/ Germa	ey of the
	Iday the North	1 +	ine was win	LOUTE V	Colidaba!
	- Here the stand				2 Attacked
r	- Blaus	e 4615	140+80 sto	and and us	re crit
	+ those araly	to That	- Doll with	. / .	
	He bad standard		The strike	7"10 10	7
		<u> </u>	1 105 gra lin	SNOBL	3FQ14+15
	-			150	25/91
				0	
	<u>₩</u>				· · · · · · · · · · · · · · · · · · ·
		· · · · · · · · · · · · · · · · · · ·			
		· 	,		
	·				

## SUANDARD OPERATING PROCEDURE

Title: Evaluation of Metals Data for the

Contract Laboratory Program

Appendix A.2: Data Assessment Narrative

Page 28 of

Date: Feb. 1990 Number:

Revision: 10

## A.2.1 (continuation)

## STANDARD OPERATING PROCEDURE

Page 29 of 35

Title: Evaluation of Metals Data for the

Contract Laboratory Program
Appendix A.2: Data Assessment Narrative

Date: Feb. 1990 . Number: HW-2 Revision: 10

A.2.1 (	continuation)
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	We agreeous field deep fer copper of Mercury
	Durne CPN & Sanger MBFO14+15 due to
ar ar	PROPOSE TO CAUL. A COOL ON MBFD 14 15 due to
dr.	₩ / OU.
3	Copper was >1006 diff +>10 ×101 n Water 1CP
٨	Copper was >100/0 did +>10 ×101 m 11/0/2 150
\$	agail of the fore analytes >10x10c were
4	agree out I'm l
<u>U</u>	OU: MBFQ 14+15
	* MBFG14+15 UPLA DAGGERACH offers of
15	alexant 5
(F)	Me standard addition Result for Wad to 2995 in
m	18 tatement to morals was previously flagged no
	*Note PO MBFOID UNI DELLE DE 10 0
-Pa	1 Statement &
<u> </u>	
-	
-	

### STANDARD OPERATING PROCEDURE

itle:	Evaluation of Metals Data for the		
	Collect Laboratory Program	Date: Feb	
	Appendix A.2: Data Assessment Narrative	Number: Revision:	HW-2 10
<del></del>			•
-			
-· <b>-</b>			<del></del> .
	·		
	Intract-Problems/Non-Compliance	71 12 13	•
	Merce - Problems/Non-compliance  1- Dilution Lactors on Sample MBFQ14  md MBFQ15 - POZOX dilution well not 1	-Ph 10x dilu notacl on for	הפע אנמ ''S
	1- Dilution Lactors on Sande MAFO 14	noted on for	hen m 1 'S
	1- Dilution factors on sample MBFQ14  nd MBFQ15 -PDZOX dilution were not 1	noted on for	hen m 1 'S
	1- Dilution factors on sample MBFQ14  nd MBFQ15 -PDZOX dilution were not 1	noted on for	<u>กะม</u> กบ1'ร
	1- Dilution factors on sample MBFQ14  nd MBFQ15 -PDZOX dilution were not 1	noted on for	hen m 1's
	1- Dilution factors on sample MBFQ14  nd MBFQ15 -PDZOX dilution were not 1	noted on for	hen m 1's
	1- Dilution factors on sample MBFQ14  nd MBFQ15 -PDZOX dilution were not 1	noted on for	10 1 'S
	1- Dilution factors on sample MBFQ14  nd MBFQ15 -PDZOX dilution were not 1	noted on for	10 1/5
.an	1- Dilution Lactors on Sample MBFQ14  MBFQ15 -PDZOX dilution well not i	notect on for	hew m1's
.an	1- Dilution factors on sample MBFQ14  nd MBFQ15 -Phrox dilution were not 1	noted on for	hen mestis
.an	MB Reviewer: Signature  Signature  Signature  Signature  Signature  Signature  Signature  Signature  Signature  Signature	Date:	nu/'s
 	MB Reviewer:  Signature  A political Jactors on Sample MBFQ14  MB Reviewer:  Signature	notect on for	n/s

## 3A5E 16301 WARRATIVE SDG MEF314 34/05 91

- Calibration standards are prepared daily at Betz Labs. in accordance with our Standard Operating Procedures.
- 2) A new ICSA has been put into effect. The lot number is 0590 The Zn level and Mn levels are 216 and 34 opt respectively
- 3) New instrumentation has been but into effect as of 12/18/90. The instrument is the TJA-61E-7003. Detection limits have been appropriately filed. For this SDG, two ICP runs were run. The run of 3.21.91 was good for all elements. A second run on 4/01/91 was done for the Sb. On, and V post-digestion spikes.
- 4. The apparent CC" and CCB timing errors on run logs 14AF and 14AE are due to switching between MSA and normal analytical modes on the AA MSA requires only a single burn. CCU and CCB QC samples require duplicate burns resulting in thice as much time per sample. The analyst must intervene between samples and QC solutions to phange the instrument from MSA to spike mode of operation. This reults in a small time delay.

Gary J Khalik Project Managen U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSIS DATA PACKAGE Lab Name: BETZ LABORATORIES TREVOSE

Lab Code: BETZPA

Contract: 68-D9-0082

Case No.: 16001

SAS No.:

SDG No.: MBFQ1

SOW No.: 7/88

EPA Sample No. MBFQ14 MBFQ14D MBFQ14S MBFQ15

MBFQ18

Lab Sample ID MBFQ14 MBFQ14D MBFQ14S MBF015 MBFQ18

Were ICP interelement corrections applied?

Yes/No YES

Were ICP background corrections applied? If yes, were raw data generated before

Yes/No YES

application of background corrections? Comments:

Yes/No YES

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designes, as verified by the following signatures.

Signature:

Name:

Title:

COVER PAGE - IN

7/88

939

RECEIVED

APK U 8 1991

00001

S & M ERANCH

SITE NAME: FLOWEN OIL DELENGRE VALLET COPP.

IDD#: 02-9011-20 SAMPLING DATE: 3/5/91 EPA CASE NO.: 16001 LAB NAME: BETZ

IMORGANICS Sample ID No. Traffic Report No. Matrix Units	· · · · · · · · · · · · · · · · · · ·			HJHV-TBLK1 H/A H/A ug/L	
Aluminum	21200 €	18900 E	j		
Antimony	, 11200 (	10700 [	J	NR	
Arsenic	R	R	R	NR NR	
Barium	281	347	r.		
Beryllium	6.2	8.7		NR NR	
Cadmium		J ".,			
Calcium	136000	134000	J	NR No	
Chromium	117 E	88.3 E	J	HR	
Cobalt	, , , , , ,	J J		NR HO	
Copper	83.8 £	, 111 E	,	HR	
Iron	109000 E	110000 E	J J	NR 	
Lead	224	375	J	NR	
Magnesium	81900	78500		MR	
Manganese	334	1180	j	NR	
Hercury	0.39 E			NR ·	
Nickel		0.92 E		HR	
Potassium	38500	J		NR 	
Selenium	, 30300	36100		NR	
Silver				NR	
Sodium	45900 E	13400 F		NR ·	
Thallium	1 43700 E	47400 E	J	NR	
Vanadium	420 E			HR	
Zinc		: 504 E	•	HR	
- · ·· <del>-</del>	636	770	J	NR	

#### NOTES:

Blank space - compound analyzed for but not detected

- E estimated value
- J estimated value, compound present below CRDL but above IDL
- R analysis did not pass EPA QA/QC
- NR analysis not required

多

#### U.S. EPA - CLP

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

Lab Name: BETZ LABORATORIES TREVOSE Contract: 68-D9-0082

MBFQ14

Lab Code: BETZPA

Case No.: 16001

SAS No.:

SDG No.: MBFQ14

Matrix (soil/water): WATER

Lab Sample ID: MBFQ14

Level (low/med):

LOW

Date Received: 3/06/91

% Solids:

0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

T	T	<b>T</b>			
CAS No.	Analyte	Concentration	С	Q	М
7429-90-5	Aluminum	21200.00	-	*3	-
7440-36-0	Antimony	15.00	ט		P
7440-38-2	Arsenic	9.30		•	P
7440-39-3	Barium	281.00	-	N	F
7440-41-7	Beryllium	6.20			P
7440-43-9	Cadmium	2.40	В		P
7440-70-2	Calcium	136000.00	١٩		P
7440-47-3	Chromium	117.00		N*	P
7440-48-4	Cobalt	29.30	В	M ~	P
7440-50-8	Copper	83.80	Ы	<b>—</b>	P
7439-89-6	Iron	109000.00		<del>4</del> ~	P
7439-92-1	Lead	224.00		*7	P
7439-95-4	Magnesium	81900.00		<b>,</b>	F
7439-96-5	Manganese	934.00	I		P
7439-97-6	Mercury	.39	ł	<del>-</del>	P
7440-02-0	Nickel	36.90	в	<b>,</b>	CV
7440-09-7	Potassium	38500.00	P		P
7782-49-2	Selenium	1.00	וט	N.J	P
7440-22-4	Silver	4.00	ď	N	F
7440-23-5	Sodium	45900.00	۷].	<u> </u>	P
7440-28-0	Thallium		ט 'י	J,	P
7440-62-2	Vanadium	420.00		T*M	F
7440-66-6	Zinc	636.00		14 ~ 🔾	P
[ · ]	Cyanide	930.00		:	P
	•	Ĭ			NR
		<del></del> 1	<b>_</b> l.	<del></del>	

Color Before: YELLOW

Clarity Before: CLEAR

Texture:

Color After: YELLOW

Clarity After: CLEAR

Artifacts:

Comments:

bp-10x20more 1/1

FORM I - IN

7/88

### U.S. EPA - CLP

EPA SAMPLE NO.

INORGANIC ANALYSIS DATA SHEET

Lab Name: BETZ LABORATORIES TREVOSE Contract: 68-D9-0082

MBFQ15

Lab Code: BETZPA

Case No.: 16001

SAS No.:

SDG No.: MBFQ14

Matrix (soil/water): WATER

Lab Sample ID: MBFQ15

Level (low/med):

LOW

Date Received: 3/06/91

% Solids:

0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

_		T				
	CAS No.	Analyte	Concentration	c	Q	м
ĺ	7429-90-5	Aluminum	18900.00	-	*2	-  <del>-</del>
	7440-36-0	Antimony	15.00	U	N 4	
	7440-38-2	Arsenic	13.00	В.	1 🗀 🐸	P
١	7440-39-3	Barium	347.00	٦	N	F
1	7440-41-7	Beryllium	8.70	1	ı	P
1	7440-43-9	Cadmium		_		P
ı	7440-70-2	Calcium	3.90 134000.00	В		P P
-1	7440-47-3	Chromium				P
ı	7440-48-4	Cobalt	88.30	_	C*N	P
1	7440-50-8	Copper	31.50	В		P
ı	7439-89-6	Iron	111.00		<b>-</b>	P
1	7439-92-1	Lead	110000.00		*1	P
1	7439-95-4	Magnesium	375.00		+2	F
	7439-96-5	Manganese	78500.00			P
ı	7439-97-6	Mercury	1180.00			P
١	7440-02-0	Nickel	.92		<b>5</b>	CV
ı	7440-09-7	Potassium	38.40	В		P
ı	7782-49-2		36100.00			P
	7440-22-4	Selenium   Silver		<b>ט</b>	WN	F
	7440-23-5			ן ט	•	P
		Sodium	47400.00	ı	T	P
ŀ		Thallium		ן ט	W	F
ŀ	7440-66-6	Vanadium	504.00		N	P
l		Zinc	770.00	- 1		P
ı		Cyanide		- [		NR
١.		<del></del>  .		_ [		
						i —— I

Color Before: YELLOW

Clarity Before: CLEAR

Texture:

Color After: YELLOW

Clarity After:

CLEAR

Artifacts:

Comments:

け、心とよりか

FORM I

7/88

#### U.S. EPA - CLP

## INORGANIC ANALYSIS DATA SHEET

Lab Name: BETZ LABORATORIES TREVOSE Contract: 68-D9-0082

MBFQ18

EPA SAMPLE NO.

Lab Code: BETZPA

Case No.: 16001

SAS No.:

SDG No.: MBFQ14

Matrix (soil/water): WATER

Lab Sample ID: MBFQ18

Level (low/med):

LOW

Date Received: 3/06/91

% Solids:

0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	С	Q	M
7429-90-5	Aluminum	35.50	B	<del>-</del>	- P
7440-36-0	Antimony	15.00	Ü	T N	
7440-38-2	Arsenic	13.00	Ü	N	P
7440-39-3	Barium	2.00	U	-14	F
7440-41-7	Beryllium	1.00	ש		P
7440-43-9	Cadmium	2.00	ט		P
7440-70-2	Calcium	144.00	В		P
7440-47-3	Chromium			374	P
7440-48-4	Cobalt	~ 6.00	Ū	L*N	P
7440-50-8	Copper	3.00	ñ		P
7439-89-6	Iron	3.40	В	.—	P
7439-92-1	Lead	52.20	В	*3	P
7439-95-4		1.00	Ū		F
7439-96-5	Magnesium	84.20	В		P
7439-97-6	Manganese	2.00	U		P
7440-02-0	Mercury	.20	U		CV
7440-02-0	Nickel	9.00	U		P
	Potassium	474.00	U		P
7782-49-2	Selenium	1.00	U	N	F
7440-22-4	Silver	4.00	U	_	P
7440-23-5	Sodium	113.00	Bţ	J	P
7440-28-0	Thallium	1.00	U		F
7440-62-2	Vanadium	3.00	U	N*T	P
7440-66-6	Zinc	14.10	В		P
	Cyanide	ļ	- 1		NR

Color Before: COLORLESS

Clarity Before: CLEAR

Texture:

Color After:

COLORLESS

Clarity After: CLEAR

Artifacts:

Comments:

FORM I IN

7/88

. (1)

## Reference No. 5



#### UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

#### REGION II

## JACOB K. JAVITS FEDERAL BUILDING NEW YORK, NEW YORK 10278-0012

#### Note to the file

Subject: Camden Municipal Wells, NJD980769087, and Puchack

Wellfield, NJD981084767 as Alias Sites

Date: Aud

August 12, 1993

This memorandum is to document that both Camden Municipal Wells and Puchack Wellfield are to be made aliases of the sites listed below. The rationale is that both the Camden and Puchack sites are not sources of contamination, but rather they are targets most likely affected by the sites listed below. These seven sites were listed as potentially responsible parties in the 12/31/89 Site Inspection for Camden Municipal Wells. The Puchack Wellfield is located within the area identified as the Camden Municipal Well site. It is expected that, in addressing the sites listed below, the area-wide groundwater contamination problems represented by the Camden and Puchack sites will be addressed.

The Preliminary Assessments (PA) and Site Inspections (SI) conducted at the Camden and Puchack sites were conducted prior to 1989. Therefore, while these events will become part of the event history at each of the seven sites listed below, they will not be counted as additional accomplishments.

Sites to which Camden Municipal Wells and Puchack Wellfield will become alias:

SGL Modern Hard Chrome Service, NJD002356475.

Swope Oil & Chemical Co., NJD041743220.

Aluminum Shapes Inc., NJD002338267.

Conrail Pavonia Engine Yard, NJD980769095.

Flowen Oil Delaware Valley Corporation, NJD980536577.

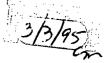
Classic Chemical, NJD070280904.

Harrison Avenue Landfill, NJD980527956.

MayLatta 8/12/93

## This Page Intentionally Left Blank

## Reference No. 6





EBASCO

## ARCS II PROGRAM

Remedial Planning Activities at Selected
Uncontrolled Hazardous Substance
Disposal Sites Within EPA Region II
(NY, NJ, PR, VI)

EPA Contract 68-W8-0110



## REMEDIAL SITE ASSESSMENT DECISION - EPA REGION II

State ID#:

Site Name: Flowen Oil Delaware V EPA ID#: NJD980536577

Alias Site Names: Remtech Environmental

	•	
City: Camden	County or Parish: Camden	State: NJ
Refer to Report Dated: 95/	03/01 Report type: SIP	•
Report developed by: EBAS	SCO .	
DECISION:		
XX  1. Further Remedi	al Site Assessment under CERCL	A (Superfund) is <u>not</u> required because:
site asses	s not qualify for further remedial sment under CERCLA uation Accomplished - SEA)	XX  1b. Site may qualify for further action, but is deferred to: RCRA
2. Further Assessm	ent Needed Under CERCLA:	
2a. Priority:	Higher     Lower	
2b. Other: (re	ecommended action) <u>DEFER</u>	
DISCUSSION/RATION TSD, and is currently subject 'Remtech' (owner).	<b>DNALE:</b> The site is a waste oil ret to Section 3013 of RCRA. Recomm	ecycling facility. The site holds an interim permit to operate as a mendation: RCRA deferral. NOTE: The site name in RCRIS is
Site Decision Made by: <u>Dennis Munhall</u>	Signature:	Date: 95/03/14
EPA Form #-9100-3		

# Flowen Oil Delaware Valley Corp. Camden Camden County, New Jersey Cerclis No. NJD980536577

#### **Documents Reviewed**

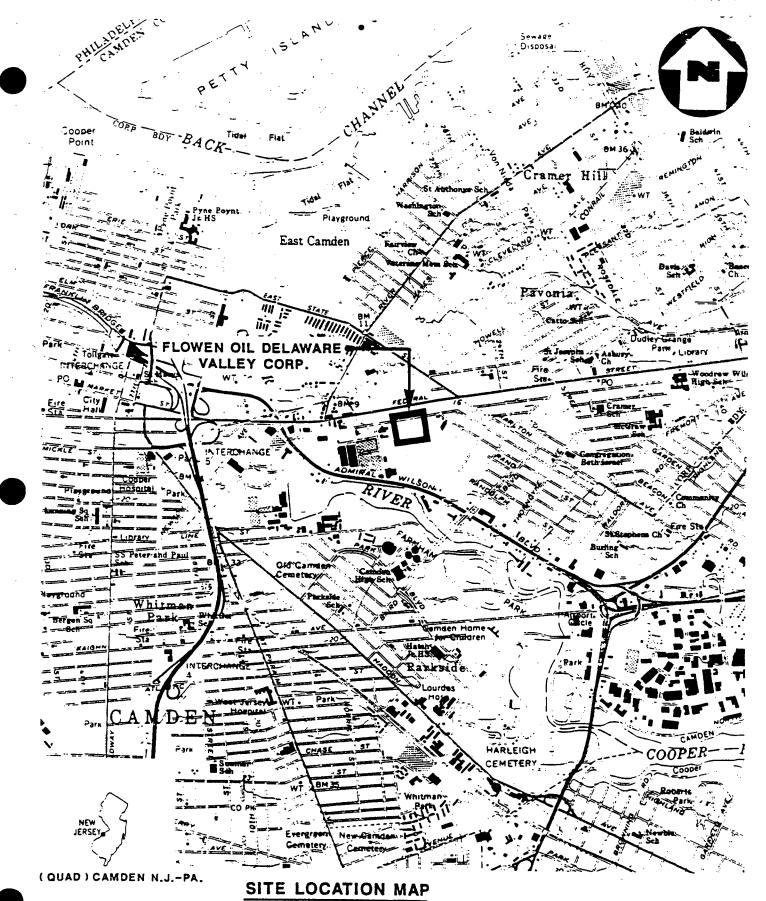
The United States Environmental Protection Agency (USEPA) files and the Flowen Oil Delaware Valley Corp., Camden, New Jersey files were reviewed as part of the Site Inspection Prioritization (SIP) for this site. Documents reviewed included a Preliminary Assessment (PA) performed by the New Jersey Department of Environmental Protection (NJDEP) in 1986 and the Final Draft Site Inspection Report performed by NUS Corporation (NUS) in 1991.

#### Site Description and History

The Flowen Oil Delaware Valley Corp site (a.k.a. Remtech Environmental (NJ) LP) is a waste oil recycling facility located on 2 acres on Carmen Street in Camden, Camden County, New Jersey. Figures 1 and 2 provide a site location map and a site map, respectively. The site is completely paved and surrounded by a 6-inch curb (Ref 1, p. 2 of 3).

The Flowen Oil Delaware Valley (FODV) Corp facility began operations in 1982 and was permitted to accept various waste oil types, bottom sludge and residue from the following: tank cleanouts of residential/commercial fuel oil tanks, gasoline stations, tank testing, tank truck and mobile vessel cleanouts, oil spill cleanups, and the draining, cleaning or disposal of electric transformers. Other wastes that the facility was permitted to accept were dissolved air flotation (DAF) float, slop oil emulsion solids, heat exchanger bundle cleaning sludge, API separator sludge and waste oil bearing liquids having a flash point between 100°F and 140°F. In November 1989, Remtech Environmental Group (Remtech) acquired the facility (Ref 1, p. 2 of 3).

The facility consists of an office, laboratory, process house, boiler house, incoming waste tank farm, finished product tank farm and wastewater treatment system. Effluent from this system is discharged through the City of Camden sewer system to the Camden County Municipal Utilities Authority (CCMUA) main sewage treatment plant. Numerous spills and violations have occurred at the facility including violations for excessive amounts of oil on the ground and for discharge of oil to the City of Camden sewer system (Ref 1, p. 2 of 3).



FLOWEN OIL DELAWARE VALLEY CORP.

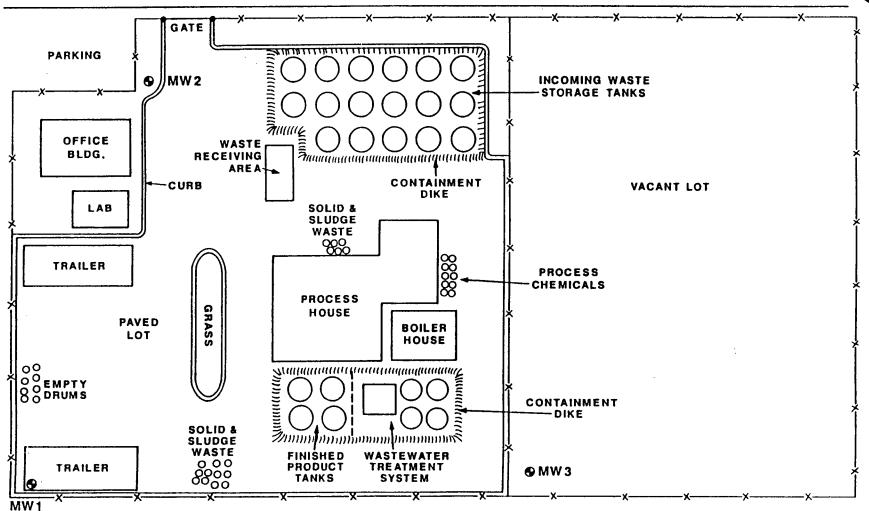
CAMDEN, N.J.

SCALE: 1"= 2000'

FIGURE 1



#### CARMAN STREET



#### SITE MAP

FLOWEN OIL DELAWARE VALLEY CORP., CAMDEN, N.J.

NOT TO SCALE



#### Federal/State Records

On June 10, 1981, the NJDEP issued a Certificate of Approved Registration and Engineering Design Approval to Flowen Oil Delaware Valley, Inc. as a waste oil recycling plant pursuant to the Solid Waste Management Act and Hazardous Waste Regulations (Ref. 2, pp. 1 through 9 of 9).

FODV started operations in early 1982 under interim status. In August 1984, FODV submitted a RCRA Part B application to NJDEP. This application was revised and resubmitted by Remtech Environmental (NJ) LP on April 28, 1989. Remtech is currently operating the FODV facility under an interim management contract. Remtech is in the process of finalizing the purchase of FODV and will be both owner and operator (Ref. 3, pp. 1 through 5 of 9).

In 1986, NJDEP conducted a Preliminary Assessment at the site. The site was given a low priority since NJDEP was taking other regulatory action against the company at that time (Ref 4, p. 2 of 69).

In 1991, NUS Corporation conducted a Site Inspection at the site. The NUS report recommended an expanded site inspection due to potential groundwater contaminants resulting from on-site spills (Ref. 1, p. 3 of 3).

In 1994, Ebasco contacted Remtech to determine the RCRA status at the facility. Remtech informed Ebasco that the facility is a NJDEP Part B permitted TSDF, permit #0408B1HP01 (Ref 5, p. 1 of 1).

#### Conclusions

Based on the existing information, the following conclusions can be drawn regarding the Flowen Oil Delaware Valley Corp site:

- The Flowen Oil Delaware Valley Corp site is classified as a treatment, storage and disposal (TSD) facility as defined in Section 3004 of RCRA, holds an interim permit to operate as a TSD as required by Section 3005 of RCRA, and it is currently subject to Section 3013 of RCRA.
- The site is also permitted under New Jersey Regulations (permit #0408B1HP01).

#### Recommendations

The Flowen Oil Delaware Valley Corp site is not eligible for CERCLA actions. The site should be deferred to RCRA.

Prepared by:

John F. Magee Task Leader

Ebasco Services Incorporated

Approved by:

Dev Sachdev, PE, Ph.D.

ARCS II Program Manager

Ebasco Services Incorporated

Reviewed by:

Edgar J Aguado Site Manager

Ebasco Services Incorporated

007

#### REFERENCES

- 1. NUS Corporation, Final Draft, Site Inspection Report, Flowen Oil Delaware Valley Corp, Camden, Camden County, New Jersey. August 14, 1991.
- 2. NJDEP, Division of Environmental Quality, Certificate of Approved Registration and Engineering Design Approval, Flowen Oils Delaware Valley, Inc., June 10, 1981.
- 3. Letter from Paul L. Fleischmann, Vice President Remtech Environmental Group, to Thomas Sherman, Acting Chief, NJDEP, Bureau of Hazardous Waste Engineering, April 28, 1989.
- 4. NJDEP, Preliminary Assessment Report, Flowen Oil Delaware Valley Corp., February 14, 1986.
- 5. Telecon Note: Conversation between Christie Webber of Remtech Environmental and Meg Watson of Ebasco, October 14, 1994.

REFERENCE NO. 2



## State of New Jersey

#### DEPARTMENT OF ENVIRONMENTAL PROTECTION

# DIVISION OF ENVIRONMENTAL QUALITY SOLID WASTE ADMINISTRATION 32 EAST HANOVER STREET, TRENTON, N. J. 08625

JACK STANTON DIRECTOR

CERTIFICATE OF APPROVED REGISTRATION
AND ENGINEERING DESIGN APPROVAL

LING F. PEREIRA
ADMINISTRATOR
SOLID WASTE MANAGEMENT

Under the provisions of N.J.S.A. 13:1E-1 et seq. known as the Solid Waste Management Act, this registration is hereby issued to:

Flowen Oils Delaware Valley, Inc. Carman Street Camden, NJ

Waste Oil Recycling Plant

for the purpose of operating a

on Lot No.	1
Block No.	1431
in the municipality of	Camden
county	Camden
under Facility Registration No.	6408A
This approval is subject to complia specified herein and all regulation of Environmental Protection.	
mi	

This approval shall not prejudice any claim the State may have to Riparian land nor does it permit the registrant to fill or alter, or allow to be filled or altered, in any way, lands that are deemed to be Riparian, Wetlands, stream encroachment or flood plains, or within the Coastal Area Facility Review Act (CAFRA) zone or allow the discharge of pollutants to waters of this State without first acquiring the necessary grants; permits or approvals from the Department of Environmental Protection or the U.S. Environmental Protection Agency.

June 10, 1981	Gim F. Vereur
DATE	LINO F. PEREIRA
	ADMINISTRATOR
	SOLID WASTE ADMINISTRATION
June 10, 1986	
EXPIRATION DATE	·

Certificate of Approved Registration and Engineering Design Approval (hereinafter referred to as "permit") for Flowen Oils Delaware Valley, Inc., City of Camden, Camden County.

2.f9

This Permit along with the Referenced Engineering Plans and Report, herein specified, shall constitute the sole Registration and Engineering Design Approval for the construction and operation of the Flowen Oils Delaware Valley, Inc., City of Camden, Camden County. Any Registration or Approval previously issued by the Solid Waste Administration or its predecessor agencies is hereby superseded.

The Permit is conditioned upon compliance with and implementation of the following:

## 1. Duty to comply

The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Solid Waste Management Act and is grounds for enforcement action; for permit termination, revocation, and reissuance, or modification; or for denial of a permit renewal application.

and the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second o

## 2. Duty to reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit.

## 3. Duty to halt or reduce activity

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

## 4. Duty to mitigate

The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit.

## 5. Proper operation and maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process

111

controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of the permit.

## 6. Permit Actions

This permit may be modified, revoked, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

## 7. Property rights

This permit does not convey any property rights of any sort, or any exclusive privilege.

## 8. Duty to provide information

The permittee shall furnish to the Administrator, within a reasonable time, any information which the Administrator may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the Administrator, upon request, copies of records required to be kept by this permit.

## 9. Inspection and entry

The permittee, by acceptance of this permit, hereby agrees to allow the Commissioner, his or her employees, agents, representatives, or consultants to enter upon the permittee's premises where a regulated facility or activity is or may be located or conducted, or where records must be kept under the conditions of this permit for the purposes of inspection, sampling, copying, or photographing to insure compliance with any condition of this permit and/or Title 7, Chapter 26 of the New Jersey Administrative Code, and/or N.J.S.A. 13:1E-1 et seq., the New Jersey Solid Waste Management Act.

## 10. Monitoring and records

(a) Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

- The permit see shall retain records of 11 monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the sample, measurement, report or application. This period may be extended by request of the Administrator at any time.
- (c) Records of monitoring information shall include:
  - (i) the date, exact place, and time of sampling or measurements;
  - (ii) the individual(s) who performed the sampling or measurements;
  - (iii) the date(s) analyses were performed;
    - (iv) the individual(s) who performed the analyses;
      - (v) the analytical techniques or methods used; and
    - (vi) the results of such analyses.

## 11. Signatory requirement

All applications, reports, or information submitted to the Administrator shall be signed and certified.

## 12. Reporting requirements

- (a) For a new hazardous waste management facility, the permittee may not commence treatment, storage, or disposal of hazardous waste; and for a facility being modified the permittee may not treat, store, or dispose of hazardous waste in the modified portion of the facility, until:
  - (i) the permittee has submitted to the Administrator by certified mail or hand delivery a letter signed by the permittee and a registered professional engineer stating that the facility has been constructed or modified in compliance with the permit; (see Paragraph 13); or
  - (ii) the Administrator has inspected the modified or newly constructed facility and finds it is in compliance with the conditions of the permit; or

- (iii) within 15 days of the date of submission of the letter in paragraph 12(a)(i) of this section, the permittee has not received notice from the Administrator of his or her intent to inspect, prior inspection is waived and the permittee may commence treatment, storage, or disposal of hazardous waste.
- (b) Planned changes. The permittee shall give notice to the Administrator as soon as possible of any planned physical alterations or additions to the permitted facility.
- (c) Anticipated noncompliance. The permittee shall give advance notice to the Administrator of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (d) Transfers. This permit is not transferable to any person except after notice to the Administrator. The Administrator may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary under the Act. In some cases, modification or revocation and reissuance is mandatory.
- (e) Monitoring reports. Monitoring results shall be reported at the intervals specified elsewhere in this permit.
- (f) Compliance schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.
- Discharge reporting. The permittee shall report any (g) noncompliance which may endanger health or the environment, including any unauthorized discharge of pollutants into the soil, sewer system, surface water, or ambient air. Any information shall be provided orally as soon as the permittee becomes aware of the circumstances by calling (609)292-5560 during business hours or (609) 292-7172 at all other times or if no contact can be made at the first number. The permittee shall report the type of substance and the amount discharged and any other information the Department may require. A written submission shall also be provided within 14 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact

dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurence of the noncompliance and an implementation schedule for undertaking the suggested measures.

- (h) Other noncompliance. The permittee shall report all instances of noncompliance not reported under paragraphs (b), (e), (f), and (g) of this section, at the time monitoring reports are submitted. The reports shall contain the information listed in paragraph 12(g) of this section.
- (i) Other information. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Administrator, it shall promptly submit such facts or information.

## 13. Referenced Engineering Plans and Reports

The construction of the facility shall be in accordance with Title 7, Chapter 26 of the New Jersey Administrative Code and the following submission:

- (a) Flowen Oils Delaware Valley, Application for Solid Waste Permit: dated November 12, 1981; signed by Joseph Forte, Jr.
- (b) Flowen Oils Delaware Valley, First Supplement to Application for Solid Waste Permit received March 27, 1981 signed by Joseph Forte, Jr.
- (c) Engineering designs and narrative prepared and sealed by Thomas A. M. Fisher, N.J.P.E. License No. 7113; various dates.

## 14. Permitted Waste Types

The permittee will accept for processing only waste lubricating oils which come from equipment such as automobile crankcases, truck and bus crankcases, industrial gear boxes, oil from bearing lubrication, oil from industrial hydraulic systems and oils used in metal cutting machine shops.

## 15. Waste Analysis and Quality Control

(a) The facility must maintain onsite a readily accessible detailed typewritten description (i.e. laboratory analyses) of all incoming waste types including the limits or concentrations. The facility must receive prior to receipt of each waste shipment and maintain

for inspection, validation by the generator that the waste is in conformance with this detailed description. The facility is responsible for the validity of the description.

- (b) Prior to commencing operation of the facility, a waste analysis plan shall be submitted to the Bureau of Hazardous Waste for approval. This plan shall include:
  - (i) The parameters for which each hazardous waste stream will be analyzed and the rationale for the selection of these parameters;
  - (ii) The test methods which will be used to test for these parameters;
  - (iii) The sampling method which will be used to obtain a representative sample of the waste to be analyzed;
    - (iv) The frequency with which the initial analysis of the waste will be reviewed or repeated to ensure that the analysis is accurate and up-to-date; and
    - (v) For off-site facilities, the waste analysis that hazardous waste generators have agreed to supply.

The plan should provide that at a minimum this analysis shall contain all the information which must be known to treat, store, or dispose of the waste.

The plan should also provide that the analysis shall be repeated as necessary to insure that it is accurate and upto-date. At a minimum, the analysis must be repeated when the owner or operator is notified, or knows or should know, that the process or operation generating the hazardous waste has changed.

## ~16.★ Sewer Monitoring

Prior to operation, the permittee shall construct a system to monitor and analyze any discharge to the sewer system.

This system must be constructed and operated in accordance with a plan approved by the Bureau.

## 17. Fire Fighting and Inspection

An adequate water supply and/or fire fighting equipment must be readily available. Fire fighting procedures must be conspicously displayed.

Fire drills are to be conducted at least twice a <u>year</u>. These drills are to be coordinated with the local fire fighting authority. The facility must notify the Bureau of Hazardous Waste at least <u>forty-eight</u> (48) hours prior to any drills.

## 18. Inspections and Records

- (a) The possittee must perform daily a site inspection of the facility. All tanks, pipes, valves, and other structural components, etc. are to be checked for indications of structural failure, corresion, leakage, and mechanical failure.
- (b) A written daily log of conditions found and the steps taken to correct the conditions are to be kept on-site. Typewritten duplicates of these logs must be maintained on file and must be supplied to Department representatives upon request.
- (c) A monthly summary of these daily inspections must be submitted to the Bureau of Hazardous Waste within seven days after the end of each month.
- (d) All records prepared in accordance with this approval shall be retained for at least three (3) years.

## 19. Personnel

The permittee shall submit prior to commencing operation, a comprehensive list of all personnel and their particular function along with their qualifications (include experience, education, and copies of any required licenses to operate facility equipment). An up-to-date list shall be submitted on a semiannual basis.

## 20. Posting of Notice

The attached notice concerning civil and criminal penalties for illegal disposal of a hazardous waste must be conspicuously posted and available for all employees to read.

## 21. Plans on-site

One complete set of all engineering lands which have been submitted a narrative description of the operation of the facility, a facility layout drawing, this Certificate of Approved Registration and Engineering Design Approval and such other plans as may be required presumnt to this permit shall be kept on-site and shall be available for inspection by representatives of the Department.

## 22. Closure Plan

The permittee must submit to the Burgan of Mazardous Waste prior to commencing operations, a facility closure plan for its approval. The closure plan must include:

(a) A detailed description on how the facility will\_be closed;

7 6 11

- (b) A description of possible uses for the land after closure; and
- (c) The estimated time required for the completion of closure.

The closure plan to be approved by the Bureau must, at a minimum, provide for:

- (a) The removal of all hazardous waste from the facility within 90 days after termination of operations.
- (b) The completion of closure in one year or less from the termination of operations unless a longer period is specifically authorized by the Bureau.
- (c) Proper disposal or decontamination of all equipment used either in the operation of the facility or the closure process.
- (d) Such other terms, conditions, or restrictions the Bureau may require to insure that humans or animal life do not come into contact with hazardous waste or its constituents and that unauthorized discharges of pollutants onto or into the lands, water or air of this state do not occur.

## 23. Residue Disposal

The permittee shall, prior to commencing operation, submit to the Bureau the names and locations of the facilities intended for disposal of sludges and residues resulting from the facility's operations.

## 24. Drum Storage

Acceptance and/or storage of drums at this facility is not permitted without prior written authorization by the Bureau of Hazardous Waste.

## 25. Air Pollution Control

The facility must obtain all necessary permits and comply with all applicable Rules and Regulations of the Bureau of Air Pollution Control, Title 7, Chapter 27 of the New Jersey Administrative Code.

## 26. Solid and Hazardous Waste Regulations

The permittee shall comply with each of the applicable requirements specified in Title 7, Chapter 26 of the New Jersey Administrative Code, Rules of the Solid Waste Administration.

## Reference No. 7

## PROJECT NOTE

Roy F. Weston

To: Flowen Oil File

Date: 9/25/2001

**Page**: 1 of 112

From: William H. Morrison

Subject: Remtech & Clean Venture/Cycle Chem ISRA File

This project note contains the Industrial Site Recovery Act (ISRA) File Information that transpired between the sale of the Flowen Oil site from Remtech to Clean Venture/Cycle Chem (CVCC) in 1997 and CVCC'c own ISRA in 2002/2003.

# This Page

is

**Intentionally Blank** 

## ${f Archer~\&~Greiner}$

F. MORSE ARCHER, JR. (1902-1984)

THOMAS N. BANTIVOGLIO FREDERICK J. ROHLOFF CHARLES L. HARP, JR. LEE M. HYMERLING ROBERT R. KUGLER\* EDWARD C. LAIRD+ L. GERALD RIGBY\*\* JUHAN RUNNE® FRANK R. DEMMERLY, JR. ROBERT T. EGAN STEVEN W. SUELAS\* GARY L. GREEN\* GERALD E. DARLING SEAN T. O'MEARA\* CHRISTOPHER R. GIBSON STEVEN J. FRAM ELLIS I. MEDOWAY THOMAS A. MUCCIFORI PATRICIA K. WILLIAMS JOEL SCHNEIDER

CRAIG J. HUBER

GEORGE F. KUGLER, JR.+ PETER E. DRISCOLL CHARLES W. HEUISLER+ ROBERT G. HARBESON+ JOHN V. FIORELLA ROBERT T. LEHMAN ARTHUR F. RISDEN GARY J. LESNESKI JAMES H. CARLL FRANK D. ALLEN® WILLIAM J. THOMPSON GORDON F. MOORE II\* TERENCE J. FOX ROBERT W. BUCKNAM, JR.\* RONALD L. GLICK THOMAS J. HURLEY DENISE M. KEYSER\* DEBRA S. ROSEN® KEVIN L. LILLY NICHOLAS C. HARBIST® DEBORAH A. HAYS®

COUNSEL JOHN P. HAUCH JR

mber of Pennsylvania Bar Only \*Certified Civil Trial Attorney

A PROFESSIONAL CORPORATION

COUNSELLORS AT LAW ONE CENTENNIAL SQUARE P.O. BOX 3000 **HADDONFIELD, N.J. 08033-0968** 

> 609 - 795-2121 FAX 609 - 795-0574

HTTP://WWW.ARCHERLAW.COM

PHILADELPHIA OFFICE 3700 BELL ATLANTIC TOWER 1717 ARCH STREET PHILADELPHIA, PENNSYLVANIA 19103 215 - 568-4166 FAX 215 - 568-2843

FREDERICK P. GREINER

DAVID B. BACON HENRY O. BOENNING ALBERT C. BRISTOW ABBY N. COHLER® JOHN D. CRANMER R. MONICA HENNESSY E. LYNNE HIRSCH\* ARTHUR H. JONES, JR. WILLIAM H KENNEY SCOTT R. KNAPP STEVEN K. MIGNOGNA® MARK J. OBERSTAEDT STEPHEN M. PACKMAN DANIELLE PRIOLA® KATHLEEN M. RICCIARDI RICHARD F. ROY, JR. JAMI SII VERMANI **NEAL WALTERS®** 

CHRISTINE A. BEYER LEIGH J. BOVE LOUIS L. CHODOFF JOHN C. CONNELL BRIAN T. FLYNN® STEPHEN M. FOGLER DAVID L. HERRMANN STACEY J. JASKOI \* PATRICK JUDGE, JR. SIGRID B. KIEP DAVID T. LEWIS ROBERT A. MAGNANINI LEIF M. NISSEN® WILLIAM J. O'KANE JR 9 RONALD J. PATTERSON® KELLY R. RAUSCH® MARC A BOLLOS MARK J. SEVER. JR. CHRISTOPHER S. YOUNG

Direct Dial: (609)354-3030

Direct E-Mail: tfox@archerlaw.com

April 16, 1997

New Jersey Department of Environmental Protection Division of Responsible Party Site Remediation Bureau of Industrial Site Evaluation Element (ISEE) 401 East State Street -- Fifth Floor Trenton, New Jersey 08625

Re:

Remtech Environmental (Camden) L.P.

1800 Carman Street, City of Camden, Camden County, New Jersey

Lot 1. Block 1431

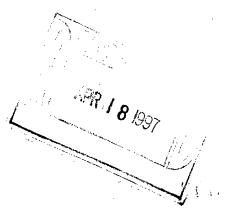
Dear Sir:

Enclosed please find the original and two executed copies of the General Information Notice in connection with the above-referenced matter. Please note that only a portion of the above-referenced property will be subject to the ISRA review as a result of the property being subject to a closure plan.

Also enclosed please find a check in the amount of \$1,000.00 (with fee transmittal sheet) to cover the cost of filing the enclosed.

**VIA HAND DELIVERY** 





002

If you have any questions, please do not hesitate to contact me.

Sincerely,

TERENCE J. FOX

TJF:mc

**Enclosures** 

cc:

Mr. James R. Beers

Mr. Lawrence N. Brandt

William Johnson, Esquire (with enclosures)

Mr. William Bailer

196950

ISRA-001 1/94

FOR DEPE USE ONLY DateRec'd. Notice No.

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY DIVISION OF RESPONSIBLE PARTY SITE REMEDIATION

> INDUSTRIAL SITE EVALUATION ELEMENT CNO28, TRENTON, NJ 08625-0028

\$1,000 00 rero

INDUSTRIAL SITE RECOVERY ACT (ISRA)

#### GENERAL INFORMATION NOTICE (GIN)

This information must be submitted within 5 days following any applicable situation as specified at N.J.A.C. 7:26B-1.5 or any triggering event as specified at N.J.A.C. 7:26B-1.6. Please refer to the instructions and N.J.A.C. 7:26B-3.2 before filling out this form. Answer all questions. Should you encounter any problems in completing this form, we recommend that you discuss the matter with a representative from the Element. Submitting insufficient data may cause processing delays and possible postponement of your transaction. Please call (609) 633-7141 between the hours of 8:30 a.m. and 4:30 p.m. to request assistance.

C

PLEASE TYPE OR PRINT	
	Date <u>April</u> , 1997
1. A. Industrial Establishment Remtech Environmental Name (Camden) L.P.	Telephone# (609) 365-5544
Street Address <u>1800 Carman Str</u>	reet
City of TownCamden	State NJ Zip Code 08105
Municipality <u>Camden</u>	County <u>Camden</u>
B. Tax Block Number(s)	LE A ATTACHED HERETO  Tax Lot Number(s)
C. Standard Industrial Classificat	
D. Current Property Owner(s)	
Name SEE SCHEDULE B ATTACHED HE	RETO Telephone# ( )
Firm	
Street Address	
Municipality	State Zip Code
E. Current Business Owner (if diff	erent from 1.A above)
Name N/A	Telephone# ( )
Firm	
Street Address	
Municipality	State Zip Code

Determinations) by this Industrial Establishment or another Industrial Establishment which occupied the same tax block and lot number?
Yes No
If Yes, Name of Industrial Establishment Remtech Environmental (Camden) L.P. ISRA\ECRA Case No. N970146 Date Submitted
Current Status SEE ATTACHED ANNEX I
G. Has this Industrial Establishment received a No Further Action Letter or Negative Declaration Approval? Yes (please provide copy) $X$ No
If Yes, was the No Further Action Letter or Negative Declaration Approval for the entire establishment?  Yes (please provide copy)  No
2. Indicate the transaction(s) which initiates the ISRA review. Please check all that apply (see N.J.A.C. 7:268-I:5 & 1.6):
$oxed{X}$ Sale of Property $oxed{X}$ Sale of Business
Bankruptcy Cessation
X Stock Transfer/Corporate Merger Foreclosure
Sale of Assets Partnership Situation Change
Other (attach documentation to explain)
3. If a cessation of operation is involved at this location, was a Public Releasemade? Yes $X$ No
If Yes, give the date of public release of the decision to close the facility. Date $\frac{1}{1-1}$ N/A
4. If the transaction initiating an ISRA review is an agreement of sale or execution of an option to purchase, fill in the date of execution of that instrument below and provide one (1) copy of the document if also applying for a Remediation Agreement.  SEE ATTACHED ANNEX II
SEE ATTACHED ANNEX II  A. Is a sale involved? Yes No (If no, skip 4B and C.)  B. Date of Agreement/Letter of Intent/Notifications of  Option to Purchase / / /  C. Please complete the following:
NAME OF PARTY/PURCHASER: Witte Chase Environmental Resources, Inc (or its assigne
ADDRESS: 201 South First Street
Elizabeth, New Jersey 07296
PHONE: (908) 964-8812
5. A. Date proposed for closure of operationsN/A

6. A. Authorized agent designated to work with the Depart	tment
Name Terence J. Fox, Esquire Telephone #(6	354-3030
Firm Archer & Greiner, A Professional Corporatio	on
Street Address One Centennial Square	
Municipality <u>Haddonfield</u> State NJ	Zip Code 08033
7. Is this Industrial Establishment a Small Business? $\overline{\mathbf{x}}$	YesNo
Note: Small Business means any business which is:	
resident in this state	
independently owned and operated	
not dominant in its field	•
employs fewer than 100 full time employees	S .
CERTIFICATIONS:	
site with overall responsibility for that site or activit at the site with overall responsibility for that site or	activity, this certification
	ty. Where there is no individual activity, this certification for the overall operation of the ided in this document is true, icant civil penalties for ormation and that I am committing tatement which I do not believe t
at the site with overall responsibility for that site or shall be signed by the individual having responsibility for site or activity.  to my best knowledge  I certify under penalty of law that the information proving accurate and complete. I am aware that there are significant knowingly submitting false, inaccurate or incomplete information of the fourth degree if I make a written false state true. I am also aware that if I knowingly direct or a statute, I am personally liable for the penalties.  Typed/Printed Name WILLIAM BALLER	ty. Where there is no individual activity, this certification for the overall operation of the ided in this document is true, icant civil penalties for ormation and that I am committing tatement which I do not believe t
at the site with overall responsibility for that site or shall be signed by the individual having responsibility for site or activity.  to my best knowledge  I certify under penalty of law that the information proving accurate and complete. I am aware that there are signification knowingly submitting false, inaccurate or incomplete information of the fourth degree if I make a written false state true. I am also aware that if I knowingly direct or a	ty. Where there is no individual activity, this certification for the overall operation of the ided in this document is true, icant civil penalties for ormation and that I am committing tatement which I do not believe the authorize the violation of any
at the site with overall responsibility for that site or shall be signed by the individual having responsibility for site or activity.  to my best knowledge  I certify under penalty of law that the information proving accurate and complete. I am aware that there are signification in the fourth degree if I make a written false at the true. I am also aware that if I knowingly direct or a statute, I am personally liable for the penalties.  Typed/Printed Name WILLIAM BALLER Environmental Services, Inc., General Partner	ty. Where there is no individual activity, this certification for the overall operation of the ided in this document is true, icant civil penalties for the ormation and that I am committing tatement which I do not believe the authorize the violation of any  Title President, Lewisberry
at the site with overall responsibility for that site or shall be signed by the individual having responsibility for site or activity.  to my best knowledge  I certify under penalty of law that the information proving accurate and complete. I am aware that there are signification in the fourth degree if I make a written false state true. I am also aware that if I knowingly direct or a statute, I am personally liable for the penalties.  Typed/Printed Name WILLIAM BALLER Environmental Services, Inc., General Partner  Signature	ty. Where there is no individual activity, this certification for the overall operation of the ided in this document is true, icant civil penalties for the ormation and that I am committing tatement which I do not believe the authorize the violation of any  Title President, Lewisberry
at the site with overall responsibility for that site or shall be signed by the individual having responsibility for site or activity.  to my best knowledge  I certify under penalty of law that the information proving accurate and complete. I am aware that there are signification in the fourth degree if I make a written false at the true. I am also aware that if I knowingly direct or a statute, I am personally liable for the penalties.  Typed/Printed Name WILLIAM BALLER Environmental Services, Inc., General Partner  Signature  Sworn to and Subscribed Before Me	ty. Where there is no individual activity, this certification for the overall operation of the ided in this document is true, icant civil penalties for ormation and that I am committing tatement which I do not believe the authorize the violation of any  Title President, Lewisberry

- B. The following certification shall be signed as follows:
- 1. For a corporation, by a principal executive officer of at least the level of vice president;
- For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or
- 3. For a municipality, State, Federal or other public agency, by either a principal executive officer or ranking elected official; or
- 4. For persons other than 1-3 above, by the person with the legal responsibility for the site.

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate, or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute I am personally liable for the penalties.

Nda .	
Typed/Printed Name WILLYAM BAILER	Title President, Lewisberry
Environmental Services, Inc., Ceneral Partner	-
Signature ( Color ) Mrs.	
Date April 9. 1997	· · · · · · · · · · · · · · · · · · ·
Sworn to and Subscribed Before Me	
on this $g^{(\prime)}$	
Date of april 1997	
- Latina Rador	
Notary /	·
Notarial Spal	

FairNew Twp., York County
My Commission Expires July 31, 1997Member, Penasylvania Association of Notaries

Patricia A. Gordon, Notary Public

#### **SCHEDULE A**

Except as otherwise indicated below, the facility described in paragraph 1(a) above (which is located on Block 1431, Lot 1 in the City of Camden), is subject to certain closure requirements pursuant to the Solid Waste Management Act and, therefore, is exempt from the requirements of the Industrial Site Recovery Act ("ISRA"). The only portions of the facility which are subject to ISRA (as they do not fall within the above-described exemption) are the office building, associated oil fuel tank, the laboratory and the location of a former underground storage tank (which was removed in accordance with applicable law). Consequently, this General Information Notice is submitted solely for that portion of the facility described in paragraph 1(a) above which consists of the office building, its associated fuel oil tank, the laboratory and the location of the former underground storage tank. (Attached as Annex I hereto is a Letter of Non-Applicability from the NJDEP confirming the foregoing. Please note that the Letter from the ISRA Bureau does not reference the location of the former underground storage tank as the ISRA Bureau was not aware of the prior existence of that tank at the time the Letter of Non-Applicability was issued. However, subsequent to that filing, legal counsel for Applicant, Terence J. Fox, Esquire, telephoned Mr. James Bono of the NJDEP informing him of the existence of that tank and indicated that the preliminary assessment to be performed under this ISRA case would review the location of that former underground storage tank).

189082

#### **SCHEDULE B**

While the real property on which the above-referenced establishment is located is currently titled of record in the name of Remtech Environmental Group, Inc. ("Reg, Inc."), it is beneficially owned by Remtech Environmental (Camden) L.P. ("Remtech Camden"), as Reg, Inc. has contractually agreed to assign all of its interest in the property to Remtech Camden (including being subject to a contractual obligation to deliver such deed(s) as are necessary to reflect Remtech Camden as owner of the property). Any filings necessary to reflect Remtech Camden as the beneficial owner of such property will be made in connection with the transfer described in this General Information Notice to Witte Chase Environmental Resources, Inc. (or its assignee).

188589



## State of New Jersey

Christine Todd Whitman Governor

Department of Environmental Protection

Robert C. Shina, Jr. Commissioner

#### ANNEX I

MAR 20 1997

MR. TERENGE J. FOX ARCHER & GREINER ONE CENTENNIAL SQUARE HADDONFIELD NJ 08033

RE: REMTECH ENVIRONMENTAL (CAMDEN) L.F.

1800 CARMAN STREET LOT 1, BLOCK 1431

CAMDEN CITY, CAMDEN COUNTY

N970146

Dear MR. FOX:

This is in response to your request and supplements thereto, concerning the applicability of the Industrial Site Recovery Act (ISRA) to the sale of the above referenced facility. On the basis of the information represented in the affidavit signed by William G. Bailer, the Department finds that portions of this facility are subject to the provisions of ISRA.

This decision is made on the basis that portions of the site, specifically the office building and associated fuel oil tank and the lab constitute an industrial establishment as defined by N.J.A.C. 7:26B-1.3. Remaining portions of the site are covered by closure pursuant to the Solid Waste Management Act and are therefore exempt from ISRA requirements pursuant to N.J.S.A. 13:1-K-8 "Industrial Establishment." Any inaccuracies in the affidavit or subsequent changes in the facts as stated therein could alter the Department's determination.

Pursuant to N.J.S.A. 13:1K-9(a)1, the owner or operator of an industrial establishment shall submit the General Information Notice no more than five days subsequent to the signing of an agreement of sale for the industrial establishment or the real property of the industrial establishment. Should there be an executed agreement of sale concerning this matter, the filings shall be submitted to the Department according to the timeframes delineated in the regulations.

Should you have any further questions regarding this matter, please contact me at (509) 633-1434.

James J. Bono, Supervisor

#### ANNEX II

#### ASSET PURCHASE AGREEMENT

This Agreement is entered into as of this 10<sup>th</sup> day of January 1997 by and among Witte Chase Environmental Resources Inc., a New Jersey corporation ("Buyer") and Remtech Environmental (Camden) L.P. ("Remtech Camden") and Remtech Environmental Group L.P. (Remtech L.P.) (collectively referred to as the "Sellers").

WHEREAS, Sellers desire to sell and Buyer desires to purchase all of the assets of the oil reclamation facility located in Camden, New Jersey.

NOW, THEREFORE, in consideration of the premises and the mutual covenants herein contained, the parties hereto agree as follows:

#### 1. BASIC TERMS OF TRANSACTION.

Date (as hereinafter defined), and Buyer hereby agrees to purchase from Sellers, free and clear of all liens, security interests, charges and encumbrances, all of the assets of the oil reclamation facility located in Camden, New Jersey (the "Facility") including without limitation, all real estate and all buildings located thereon as described in the legal description of which is attached hereto as Exhibit A, machinery, equipment, vehicles and inventory as set forth on Exhibit B, customer lists, permits, licenses, contractual rights, leasehold interests, trademarks, trade names, trade secrets, knowhow, goodwill and all cash and cash equivalents excluding accounts receivables and the Closure Fund heretofore provided by Sellers to the New Jersey Department of Environmental Protection in connection with the operation of the Facility ("Closure Fund") (the "Purchased Assets"). Coincident with such sale, assignment and transfer, Sellers shall place Buyer in effective possession and control of the Purchased Assets.

#### 2. PAYMENT OF PURCHASE PRICE.

- 2.1 The Buyer will acquire from Sellers good and marketable title to all of the Purchased Assets free and clear of all liens and encumbrances for a purchase price of nine hundred thousand dollars (\$900,000.00) (the "Purchase Price") allocable as follows: fifty thousand dollars (\$50,000) to the building, sixty thousand dollars (\$60,000) for the real estate, forty-five thousand dollars (\$45,000) to all permits and goodwill and the remainder to all other assets. The Purchase Price, with adjustments including the amount of the Deposit and work in process, shall be paid at the time of Closing by wire transfer or equivalent means.
- 2.2 The Buyer shall provide a one hundred thousand dollar (\$100,000.00) refundable deposit ("Deposit") on January 27, 1997 to Sellers' attorneys, Archer & Greiner, for deposit into Archer & Greiner's attorney trust account. Archer & Greiner shall hold the Deposit until the Closing and shall return the Deposit to the Buyer by March 31, 1997, unless the date is extended in writing by the mutual consent of the parties. Archer & Greiner shall only release the Deposit to the Sellers upon the written instruction of the parties.

- 2.3 Sellers and Buyer shall split all sales or other transfer taxes, if any, applicable to the transaction contemplated by this Agreement, provided however, that Buyer shall not be obligated to pay more than \$1,250.00.
- 2.4 Sellers and Buyer agree to waive compliance with any laws relating to the bulk sales and bulk transfers applicable to the transaction contemplated by this Agreement, and in consideration of such waiver, Sellers agree to defend and indemnify Buyer against and hold it harmless from any and all loss, liability, damage or expense (including all reasonable costs and expenses, including reasonable attorneys' fees) arising out of or resulting from such noncompliance.

#### 3. THE CLOSING.

3.1 The transfers and deliveries to be made pursuant to this Agreement shall take place at the Closing at the offices of Archer & Greiner at 10:00 a.m. on March 31, 1997, or such other place, time and/or date as Sellers and Buyer agree upon in writing (the "Closing Date"), and shall be deemed to be effective as of the beginning of business on the Closing Date.

#### 4. **CONDITIONS TO CLOSING.**

- 4.1 The obligation of Buyer to consummate the transactions contemplated by this Agreement are subject to the satisfaction of the following conditions on or before the Closing Date or such other date as is specified:
- 4.1.1 The obtaining of any governmental approvals that may be necessary, including, without limitation, approval of the appropriate federal and/or state regulatory agencies to transfer the permits and licenses necessary for Buyer to operate the Facility, including but not limited to the RCRA Part B permit No. 0408B1HP01 and the Camden County waste water discharge permit No. 2992CA1:
- 4.1.2 The completion of Buyer's business, environmental, accounting and legal review of the Sellers to Buyer's satisfaction, which Buyer shall complete by February 14, 1997;
- 4.1.3 The execution in favor of Buyer of mutually acceptable Non-Compete agreement by each of Sellers. Each agreement will be for three (3) years from the date of Closing. Each agreement will contain terms and conditions customarily included in similar agreements. However, notwithstanding the foregoing, in no event shall such agreements impact or limit the ability of the Sellers from participating in the business activities of the TSD facility currently owned and operated by an affiliate of such parties in Lewisbury, Pennsylvania;
- 4.1.4 The execution in favor of Buyer of individual guarantees by James R. Beers ("Beers") and Lawrence N. Brandt ("Brandt") in the form attached hereto as Exhibit C;

- 4.1.5 Within thirty (30) days of the date of execution of this Agreement, Sellers shall provide evidence to Buyer of the satisfaction of, or a written agreement proving an arrangement to satisfy, the Mortgage held by Flowen Energy Corp. dated November 29, 1989 on the Owned Real Estate (as hereinafter defined) ("Flowen Mortgage");
- 4.1.6 Sellers' compliance with the audit provisions of the Industrial Site Recovery Act ("ISRA") in the event such compliance is required thereunder;
- 4.1.7 The representations and warranties set forth in Article 5, both individually and considered as a whole, shall have been true and correct in all material respects as of the date hereof and such representations and warranties shall be true and correct in all material respects at and as of the Closing Date as though then made and as though the Closing Date were substituted for the date of this Agreement throughout such representations and warranties;
- 4.1.8 Sellers are the sole and exclusive legal and equitable owner of all right, title and interest in and have good and marketable title to all of the Purchased Assets free and clear of any liens, security interests, claims, charges, restrictions, easements or other encumbrances as of the Closing Date;
- 4.1.9 No action, proceeding, or investigation by or before any court or government body or agency will have been instituted, pending or threatened wherein a finding, judgment, decree or order might be issued that would prevent any of the transactions contemplated or cause such transactions to be declared unlawful or rescinded or which might materially adversely affect the right of Buyer to own the Purchased Assets, the operation or control of the Facility or the value of the Facility taken as a whole;
- 4.1.10 Sellers shall have maintain the Purchased Assets to avoid any substantial deterioration in their condition between the execution of this Agreement and the Closing Date;
  - 4.1.11 On the Closing Date, Sellers will have delivered to Buyer the following:
- 4.1.11.1 A certificate dated the Closing Date executed by each of Sellers stating that the preconditions specified in subsection 4.1 hereof have been satisfied;
- 4.1.11.2 A list of the accounts receivables for work performed solely by Sellers which will include the name of the client and the amount owed to Sellers as of the Closing Date;
- 4.1.11.3 Copies of all third party and governmental consents (or other evidence satisfactory to Buyer) that Sellers are required to obtain in order to effect the transactions contemplated by this Agreement; and
- 4.1.11.4 Such other documents as Buyer may reasonably request in connection with the transactions contemplated hereby.

- 4.2 The obligations of the Sellers are subject to the fulfillment of each of the following conditions on or before the Closing Date, provided Sellers have the right to waive any of the following conditions:
- 4.2.1 The representations and warranties of the Buyer contained in this Agreement, both individually and considered as a whole, shall be true and correct in all material respects at and as of the Closing Date as though then made, and as though the Closing Date was substituted for the date of this Agreement throughout such representations and warranties;
- 4.2.2 No action, proceedings or investigations by or before any court or other governmental body or agency will have been instituted, pending or threatened wherein a finding, judgment, decree or order might be issued that would prevent any of the transactions contemplated or cause such transactions to be declared unlawful or rescinded:
  - 4.2.3 The payment of the Purchase Price, as required under Section 2 above;
- 4.2.4 The Buyer's (i) payment to the State of New Jersey of such funds and (ii) the delivery of such documents, as are necessary to cause the State of New Jersey to release the proceeds of the Closure Fund to Sellers on or before the Closing Date:
- 4.2.5 A certificate, dated the Closing Date and executed by the Buyer, stating that the conditions specified in the Section 4.2 have been satisfied; and
- 4.2.6 Such other documents as Sellers may reasonably request in connection with the transactions contemplated hereby.

#### 5. REPRESENTATIONS AND WARRANTIES OF SELLERS.

- 5.1 Sellers hereby represent and warrant, jointly and severally, as follows:
- 5.1.1 Sellers are the sole and exclusive legal and equitable owner of all right, title and interest in and have good and marketable title to all of the Purchased Assets free and clear of any liens, security interests, claims, charges, restrictions, easements or other encumbrances except as otherwise indicated in that certain title report, Title No. ET-09/6-778, dated September 13, 1996, as amended on October 9, 1996 and October 15, 1996 ("Title Report");
- 5.1.2 Sellers shall permit Buyer and its employees, agents, environmental consultants, appraisers, and accounting and legal representatives and their representatives to have reasonable access to its books, records, contracts, leases, key personnel, independent accountants and the Purchased Assets during normal business hours;

- 5.1.3 Buyer may rely completely upon the accuracy and validity of every term and provision of the Confidential Settlement Agreement and Releases dated June 18, 1996 and all attachments and exhibits thereto ("Settlement Agreement") as they pertain to title to the Purchased Assets;
- 5.1.4 Each of Sellers has full legal capacity, power, and authority to execute, deliver, and perform this Agreement and the other agreements contemplated hereby and to consummate the transactions contemplated hereby and thereby. The execution, delivery and performance of this Agreement and the other agreements contemplated hereby have been duly authorized by each of the Sellers. The performance of this Agreement and the other agreements contemplated hereby constitute a valid and binding obligation of each of the Sellers; and
- 5.1.5 The execution, delivery and performance of this Agreement and the other agreements contemplated hereby by Sellers and the consummation of the transactions contemplated hereby and thereby do not and will not (a) conflict and/or result in a breach of the terms and conditions of any contract, agreement, commitment or other undertaking to which any party is bound, (b) result in the creation of any lien, security interest, charge or encumbrance upon the Purchased Assets, (c) give any third party the right to accelerate any obligation, or (d) require any authorization, consent, approval, exemption or other action by any court, other governmental body, or other third party or any indenture, mortgage, lease, loan agreement or other agreement or instrument by which Sellers are bound or to which any of their properties are subject, or any law, statute, rule, regulation, judgment or decree to which any of the Sellers are subject, except for those approvals, permits and licenses referenced in Section 4.1.1.
- 5.2 Exhibit A sets forth a complete description of the real estate included within the Purchased Assets (the "Owned Real Estate"). Sellers have good, marketable and insurable title in fee simple absolute to, and is in possession of, all Owned Real Estate described on Exhibit A except as otherwise indicated in the Title Report, including the buildings, structures, fixtures and improvements situated thereon and appurtenances thereto, in each case free and clear of all security interests, including any conditional sale or other title retention agreements, liens, encumbrances, mortgages, pledges, assessments, easements, covenants, restrictions, reservations, defects in title, encroachments and other burdens, whether or not the same render the title to such Owned Real Estate uninsurable or unmarketable. Sellers have not granted any options to purchase or otherwise acquire all or any part of the Owned Real Estate. To the Sellers' knowledge, Sellers have all easements and rights, including, but not limited to, easements for all utilities, services, roadways and other means of ingress and egress, necessary to conduct the Facility's business. Neither the whole or any portion of any Owned Real Estate has been condemned, requisitioned or otherwise taken by any public authority, and no notice of any such condemnation, requisition or taking has been received. To the Sellers' knowledge, no such condemnation, requisition or taking is threatened or contemplated. Sellers have not received any notice from any city, village or other governmental authority of any zoning, building, fire or health code violation in respect of the Owned Real Estate that has not been corrected.

- 5.3 Except as delineated in Schedule 5.3. Sellers are not engaged in or a party to or, to Sellers' knowledge, threatened with any suit, action, proceedings, investigation or legal, administrative, arbitration or other method of settling disputes or disagreements or governmental investigation, and there exists no set of facts which could form a basis for any such action; and there are no actions, suits, proceedings, orders or investigations pending or threatened against or affecting Sellers at law or in equity, or before or by any federal, state, municipal or other governmental department, commission, board, bureau, agency or instrumentality, domestic or foreign, which might adversely affect Sellers' performance under this Agreement or the consummation of the transactions contemplated hereby.
- 5.4 Except as delineated in Schedule 5.3, the use and operation of the Facility by Sellers or any of their predecessors is and will continue to be in compliance in all material respects with all Federal, state, and local environmental laws.
- 5.5 Neither this Agreement, nor any of the Exhibits or attachments hereto, nor any other information provided to Buyer in writing pursuant to this Agreement, including but not limited to the information provided by Buyer pursuant to Section 4.1.2 and 5.1.2, contains any untrue statement of a material fact or omits a material disclosure necessary to make the statements contained herein or therein, in light of the circumstances in which they were made.
- 5.6 All of the representations and warranties of Sellers contained in this Article 5 are true and correct on the date of this Agreement and will be true and correct on the Closing Date. From the date hereof to the Closing Date, Sellers will promptly inform Buyer in writing of any material variances from the representations and warranties contained in this Article 5.
- 5.7 For purposes of this Section 5, "Sellers' knowledge" shall mean the actual knowledge of Beers, Brandt, and/or William Bailer, President of Lewisbury Environmental Services, Inc., either collectively or individually.

## 6. REPRESENTATIONS AND WARRANTIES OF BUYER.

- 6.1 The Buyer hereby represents and warrants to Sellers as of the date hereof and the time of the closing as follows:
- 6.1.1 The Buyer is a corporation duly organized, validly existing and in good standing under the laws of the State of New Jersey.
- 6.1.2 All requisite corporate action has been taken to authorize the execution, delivery and performance of this Agreement by the Buyer and Buyer's affiliates. This Agreement is a valid and binding obligation of Buyer enforceable in accordance with its terms and provisions. The purchase and transfers contemplated hereunder will not conflict with or result in any violation of or constitute a breach or default under the Buyer's Certificate of Incorporation, its By-laws or any agreement, document, order or decree of which it is a party, or require shareholder approval.

- 6.1.3 There are no actions, suits, claims administrative or other proceedings or governmental investigations pending or to its knowledge threatened against Buyer which question or seek to prevent consummation of the transaction herein contemplated, whether at law or in equity, or before and Federal, state, local, foreign or other governmental department, agency or instrumentality.
- 6.1.4 No consent, authorization, or approval of, or exemption by, or filing with, any court or governmental, public, or self-regulatory body or authority is required in connection with the execution, delivery and performance by the Buyer of this Agreement or of any of the instruments or agreements herein referred to, or the taking of any action herein contemplated.

#### 6.1.5 Buyer acknowledges and agrees:

- 6.1.5.1 that neither Sellers nor any agent or representatives of Sellers have made, and Sellers is not liable or responsible for or bound in any manner by any express or implied representations, warranties, covenants, agreements, obligations, guarantees, statements, information or inducements pertaining to the Condition of the Purchased Assets or any part thereof. Buyer acknowledges, agrees, represents and warrants that it has had the opportunity and has in fact inspected the Purchased Assets and all matters respecting the Purchased Assets and is fully cognizant of the Condition of the Purchased Assets and that Buyer and its agents and representatives have independently inspected, examined, analyzed and appraised all of same. Buyer acknowledges that Buyer is fully familiar with the Purchased Assets and Buyer agrees to accept the Purchased Assets (including without limitation, the real estate constituting a part thereof) "AS IS", with all faults, in its current condition, subject to reasonable wear and tear. As used herein, "Condition of the Purchased Assets" shall mean the physical condition thereof, including all environmental matters, fitness for particular purpose, the value and profitability thereof, the uses which can be made thereof, the structural and mechanical condition of the Purchased Assets, the buildings, structures and improvements situate thereon, the plumbing, heating, electric and ventilating systems (if any) serving the Purchased Assets and any other matter or thing whatsoever with respect thereto.
- 6.1.5.2 In addition to, and without limiting the foregoing, (i) Buyer further acknowledges and agrees that the Purchased Assets (including without limitation the real estate constituting a part thereof) is conveyed in its "As Is" condition with respect to environmental matters, and Buyer hereby assumes the risk that adverse past, present or future conditions may not be revealed in its inspection or investigation; and (ii) as a material inducement and consideration for the transfer hereunder, Buyer hereby (A) releases and holds harmless, the Seller with respect to all actions, causes of action, obligations, expenses, liabilities, losses, penalties, fines, fees (including counsel fees and reasonable costs of investigations and defense) or cost (including monitoring, clean-up, compliance and/or litigation costs), claims, suits and damages for personal injury (including death), property damage and violation of any Federal, State or local law, statute, rule regulation or ordinance which the Buyer may, at any time and

from time to time, incur, pay out, be exposed to and/or be responsible for which arises from or is related to the Purchased Assets (including without limitation, the real estate constituting a part thereof), including without limitation as a result of the presence of any Hazardous Materials (as hereinafter defined), and/or violation of any Environmental Law (as hereinafter defined), regardless of whether the conduct or condition took place or existed prior to or after the conveyance of the Purchased Assets pursuant to this Agreement. Buyer hereby waives any and all rights of contribution and/or other claims Buyer might otherwise have against the Seller under applicable Environmental Laws and or at common law in connection with the environmental condition of the Purchased Assets or claims now existing or hereafter arising as a result thereof.

6.1.5.3 As used in this Agreement, "Hazardous Materials" shall mean any hazardous wastes or hazardous substances as defined in any Environmental Law including, without limitation, any asbestos, PCB, toxic, noxious or radioactive substance, methane, volatile hydrocarbons, industrial solvents or any other material or substance which would cause or constitute a health, safety or other environmental hazard to any person or property. "Environmental Law" shall mean any federal, state or local environmental cleanup statutes, laws, rules or regulations, ordinances, orders, decrees and interpretations now or hereafter in effect including, without limitation (1) the Industrial Site Recovery Act (formerly known as the Environmental Cleanup Responsibility Act) (N.J.S.A. 13:1k-6, et seq.); (2) the Spill Compensation and Control Act (N.J.S.A. 58:10-23.11, et seq.), (3) the Comprehensive Environmental Response, Compensation and Liability Act (42 U.S.C. §9601, et seq.), as amended by Superfund Amendments and Reauthorization Act; (4) the Toxic Substances Control Act (15 U.S.C. §2601, et seq.); (5) the Resource conservation and Recovery Act (42 U.S.C. §6901, et seq.); (6) The Clean Air Act, (42 U.S.C. §7401 et seq.); (7) The Federal Pollution Control Act (33 U.S.C. §1251, et seq.); and (8) any other Federal, State or local environmental statute, code, regulation or ordinance, including those yet to be enacted; and shall include all amendments, successor laws and/or replacement laws to same as well as all regulations issued under the foregoing.

6.1.5.4 The provisions of this Section 5 shall survive (i) termination, cancellation, modification, expiration or revision of this Agreement; (ii) Closing hereunder; and (iii) any future sale or other transfer of the Purchased Assets by the Buyer and its successors and assigns; and shall be binding upon Buyer and its heirs, executors, successors and assigns of the Purchased Assets.

#### 7. TERMINATION.

- 7.1 This Agreement may be terminated at any time prior to the Closing:
  - 7.1.1 by mutual consent of Sellers and Buyer;

- 7.1.2 by either Sellers or Buyer if there has been a material misrepresentation or material breach of warranty on the part of the other party in the representations and warranties set forth in this Agreement, or if events have occurred which have made it impossible to satisfy a condition precedent to the terminating party's obligation to consummate the transactions contemplated hereby; or
- 7.1.3 by either Sellers or Buyer if the Closing hereunder has not been consummated by March 31, 1997, provided that if a party's willful breach of this Agreement has prevented the consummation of the transactions contemplated hereby, that party shall not be entitled to terminate pursuant to this subsection.
- 7.2 This Agreement may be terminated by Sellers prior to 5:00 p.m. on January 20, 1997 if Sellers are unable to reach an agreement satisfactory to Sellers, in Sellers' sole discretion, to satisfy the Flowen Mortgage.
- 7.3 This Agreement may be terminated by Sellers prior to January 24, 1997 if Sellers are unable to obtain a letter of non-applicability from the New Jersey Department of Environmental Protection confirming the non-applicability of ISRA to the transactions contemplated herein.

#### 8. SURVIVAL OF REPRESENTATIONS AND WARRANTIES.

8.1 The representations, warranties, covenants and agreements set forth in this Agreement, or in any writing delivered in connection with this Agreement, will survive the Closing Date and the consummation of the transactions contemplated hereby, notwithstanding any examination made for or on behalf of Buyer or Sellers, the knowledge of any of Buyer's officers, directors, shareholders, employees or agents, or the acceptance of any certificate or opinion.

#### 9. INDEMNIFICATIONS.

- 9.1 Sellers, jointly and severally, will defend, indemnify and hold the Buyer harmless from and against all losses, costs, damages, liabilities and expenses (including without limitation reasonable legal fees), which it may suffer, sustain, pay or incur, in any manner whatsoever, directly or indirectly, for all claims of any nature arising out of Sellers' failure to perform or meet any of their individual or collective obligations under this Agreement, including but not limited to the representations and warranties contained in Article 5.
- 9.2 Buyer agrees to indemnify Sellers and hold them harmless from and against any loss, liability, damage or expense (including reasonable legal expenses and costs) which Sellers may suffer, sustain or become subject to, as the result of a breach of any representation, warranty, covenant, or agreement by Buyer contained in this Agreement.

#### 10. BEST EFFORTS.

10.1 Each of the parties agrees to use its best efforts to fulfill as soon as practicable after the date hereof the conditions precedent to the Closing which are dependent upon such party's action or forbearance.

#### 11. CONTINUED ASSISTANCE.

- 11.1 Subsequent to the Closing, Buyer will provide to Sellers, and Sellers will provide to Buyer, whatever assistance that the other party reasonably requests in connection with the consummation of the transactions contemplated by this Agreement.
- 11.2 Buyer will immediately remit payments received after the Closing Date relating to accounts receivable of Sellers in the form received, provided such payments were generated from the operation of the Facility prior to the Closing Date, are for services performed solely by Sellers and were delineated on the list of accounts receivable provided by Sellers to Buyer pursuant to Section 4.1.10.3.

## 12. NO THIRD PARTY BENEFICIARIES.

12.1 This Agreement does not create any rights in parties who are not a party to this Agreement.

## 13. ACCESS TO INFORMATION.

13.1 Within five (5) calendar days after the execution of this Agreement and until February 14, 1997, Sellers will give to Buyer reasonable access during normal business hours to (i) inspect the Purchased Assets, (ii) review the corporate, business, financial and other records relating to Sellers and the Purchased Assets, including the right to perform a financial audit and (iii) the principals, directors, officers, employees and agents of the Seller to discuss the foregoing items.

#### 14. CONFIDENTIALITY.

14.1 The Buyer will not disclose nor will it permit any of its employees, agents or representatives ("Representatives") to disclose to any third party (except to the extent publicly available, other than disclosed by Buyer and/or its Representatives; required by law, or obtainable from independent sources which sources were not subject to any confidentiality agreements) any confidential information obtained from the other parties to this Agreement for a period of five (5) years if the transaction contemplated herein is not consummated. This section is not intended to supercede and is intended to supplement the confidentiality agreement between the parties dated April 12, 1996.

#### 15. BROKERS.

15.1 With the exception of Hempstead & Co. who was retained by Sellers, and whose fee will be paid by Sellers, no party has retained or will retain any brokers or finders with respect to this transaction.

#### 16. PUBLICITY.

16.1 Buyer and Sellers shall not issue any press release, public statements or other publicity concerning the proposed transaction without the prior approval of the other parties.

#### 17. <u>ASSIGNMENT</u>.

17.1 No party may assign to any other entity its rights or obligations hereunder, provided, however, that Buyer may assign to another affiliated entity or entities its rights and obligations created by this Agreement. Clean Venture, Inc. hereby guarantees the performance of such obligations by Buyer and any such assignee.

#### 18. GOVERNING LAW.

18.1 This Agreement shall be governed, construed and interpreted in all respects in accordance with the laws of the State of New Jersey. The Superior Court of the State of New Jersey in the County of Union shall have jurisdiction to hear and determine any claims or disputes pertaining directly or indirectly to this Agreement or to any matter arising therefrom. Each of the parties hereby expressly submits and consents in advance to such jurisdiction in any action or proceeding commenced by the other in such court.

#### 19. WAIVER.

19.1 No waiver of any breach or failure by either party to enforce any of the terms or conditions of this Agreement at any time will, in any manner, limit or waive such party's right thereafter to enforce and to compel strict compliance with every term and condition hereof.

#### 20. EXPENSES.

20.1 Each of the parties shall be responsible for paying their own expenses relating to the proposed transaction.

#### 21. <u>COUNTERPARTS</u>.

21.1 This letter may be executed in one or more counterparts, including by means of signature pages transmitted by facsimile, any one of which need not contain the signature of more than one party, but all such Counterparts taken together will constitute one and the same instrument.

#### 22. ENTIRE AGREEMENT.

22.1 This Agreement constitutes the entire agreement between the parties concerning the subject matter hereof. No modification of this Agreement shall be of any force or effect unless in writing and signed by the parties.

#### 23. CAPTIONS.

23.1 The captions used in this Agreement are for convenience of reference only and do not constitute a part of this Agreement and will not be deemed to limit, characterize or in any way affect any provision of this Agreement, and all provisions of this Agreement will be enforced and construed as if no caption had been used in this Agreement.

IN WITNESS WHEREOF, Buyer and Sellers have caused this Agreement to be executed by their duly authorized representative as of the day and year first above written.

WITTE CHASE ENVIRONMENTAL RESOURCES INC.

Bv:

Michael Persico, President

REMTECH ENVIRONMENTAL (CAMDEN) L.P.

By: Lewisbury Environmental Services, Inc., General Partner

Bv:

REMTECH ENVIRONMENTAL GROUP L.P.

By: First Lewisbury Investment Corporation, General Partner

Rv

#### SCHEDULE 5.3

- 1. Buyer is being investigated by the NJDEP's Division of Solid Waste Management, Bureau of Background Review, and the Attorney General of the State of New Jersey, pursuant to the A-901 program, N.J.A.C. 7:26-16 et seq., in connection with an application made to the NJDEP to transfer the RCRA Part B Permit No. 0408B1HP01 from Resource Management Technologies, Inc. to Sellers. Sellers have been operating the facility under the RCRA Part B Permit No. 0408B1HP01, which was issued by the NJDEP in the name of Resource Management Technologies, Inc. The application, being reviewed and investigated under New Jersey's A-901 program, N.J.A.C. 7:26-16 et seq., is still pending.
- 2. Cambridge Chemical Cleaning v. Remtech, Superior Court of New Jersey, Union County, Docket No. UNN-L-2903-96.
- 3. OHM Remediation Services Corp. v. Remtech Environmental Group, Superior Court of New Jersey, Camden County, Docket No. L-9044-96.
- 4. The results of an investigation by the Camden County Municipal Utilities Authority as described in a certain letter from the Camden County Municipal Utilities Authority to Remtech Environmental Group which was previously provided to Buyer.

### EXHIBIT A

#### DESCRIPTION

All that certain tract or parcel of land and premises, situate, lying and being in the City of Camden, in the County of Camden, and State of New Jersey more particularly described as follows:

BEGINNING at the intersection of the easterly line of 18th Street with the southerly line of Carman Street and extending; thence

- (1) Along the southerly line of Carman Street, north 84 degrees 16 minutes east, 400.00 feet to the westerly line of 19th Street; thence
- (2) Along the westerly line of 19th Street, south 5 degrees 44 minutes east, 215.00 feet to the northerly line of Mickle Street (not physically open); thence
- (3) Along the northerly line of Mickle Street, south 84 degrees 16 minutes west, 400 feet to the easterly line of 19th Street; thence
- (4) Along the easterly line of 19th Street, north 5 degrees 44 minutes west, 215.00 feet to the place of BEGINNING.

Being known as lot 12 in Block 1201 official tax map of Camden, in the County of Camden, State of New Jersey.

#### EXHIBIT E

## **ASSET SCHEDULE**

Land Camden Land & Building Improvements Security System Office Building Processing Building Laboratory Lab Equipment Lab Equipment Lab Equipment Processing Equipment Processing Equipment Processing Equipment Tanks Tank Pump & Piping Boiler Steam Trace & Ins. Lines Waste Water Treatment System Waste Water Treatment System Waste Water Treatment System Interceptors Interceptors H/S Centrifuges H/S Centrifuges H/S Centrifuges **Emulsion Breaking System** R.D. Unit Electrical Dist. System Office Equipment Computer Equipment Computer Equipment Computer Equipment Computer Equipment **Buy Out** Transportation Equipment Telephone Equipment Telephone Equipment Safety Equipment

Safety Equipment

## EXHIBIT C

#### [Closing Date]

Witte Chase Environmental Resources Inc. 201 South First Street Elizabeth, New Jersey 07206

Re:

Asset Purchase Agreement by and among Witte Chase Environmental Resources Inc. and Remtech Environmental (Camden) L.P. and Remtech Environmental Group L.P. dated January 10, 1997 (the "Agreement")

#### Gentlemen:

This guaranty is being provided by the undersigned, James R. Beers ("Beers") and Lawrence N. Brandt ("Brandt") (collectively referred to as the "Guarantors"), pursuant to Section 4.1.4 of the Asset Purchase Agreement by and among Witte Chase Environmental Resources Inc. ("Buyer") and Remtech Environmental (Camden) L.P. ("Remtech Camden") and Remtech Environmental Group L.P. (Remtech L.P.) (collectively referred to as the "Sellers") dated January 10, 1997 (the "Agreement") in order to induce the Buyer to consummate the transaction contemplated by the Agreement.

- 1. By their execution of this Guaranty, the Guarantors hereby agree, jointly and severally, in their individual capacity, to indemnify and hold Buyer harmless from and against any and all claims, liabilities, loss, damage or expense, including reasonable attorneys' fees, which may be alleged against Buyer or which Buyer may incur or sustain which arise out of, either in whole or in part, a breach, an alleged breach, a misrepresentation or an alleged misrepresentation by Sellers of the provisions of Section 5 of the Agreement.
- 2. Notwithstanding the provisions of Section 1 above, Buyer must serve notice of a claim under this Guaranty within two (2) years from the date of the Agreement and Guarantors' liability under this Guaranty shall be limited to an aggregate amount of four hundred fifty thousand dollars (\$450,000), except that there shall be no limit on Guarantor's liability under Section 1 for any and all claims, liabilities, loss, damage or expense, including reasonable attorneys' fees, related to Sections 5.1.1 and 5.1.2 of the Agreement and any such amounts shall not apply to the \$450,000 limitation stated above.
- 3. The Guarantors may not assign their obligations under this Guaranty to any other person and/or entity without Buyer's prior written consent. This Guaranty shall be binding upon Guarantors, their successors, heirs, executors and administrators.
- 4. This Guaranty shall be enforceable by the Buyer without regard to, and without the necessity of resorting to, any remedy or relief as against the Sellers.
- 5. The Buyer may without notice and without the consent of the Guarantors and without impairing or in any way affecting the liability of the Guarantors to the Buyer (a) release or settle or compromise with any Guarantor of the obligation of the Sellers to the Buyer; and (b) exercise or refrain from

Witte Chase Environmental Resources Inc. [Closing Date]
Page 2 of 2

exercising any rights against the Sellers or others (including the Guarantors) or otherwise act or refrain from acting.

- 6. No waiver or any of its rights hereunder and no modification of this Guaranty shall be deemed to be made by the Buyer unless the same shall be in writing duly signed on behalf of the Buyer, and each such waiver, if any, shall apply with respect to the specific instance involved, and shall in no way impair the right of the Buyer to the obligations any of the Guarantors to the Buyer in any other respect at any other time.
- 7. Any notice required to be given hereunder will be given by hand delivery, overnight mail, certified or registered mail, postage prepaid at the following addresses or such substitute addresses as are later supplied in writing:

If to Buyer:

Witte Chase Environmental Resources Inc.

201 South First Street

Elizabeth, New Jersey 07206

Attn: President

If to Guarantors:

Lawrence N. Brandt and James R. Beers

c/o Terence J. Fox, Esq.

Archer & Greiner One Centennial Square

Haddonfield, New Jersey 08033

8. This Guaranty shall be governed, construed and interpreted in all respects in accordance with the laws of the State of New Jersey. The Superior Court of the State of New Jersey in the County of Union shall have jurisdiction to hear and determine any claims or disputes pertaining directly or indirectly to this Agreement or to any matter arising therefrom. The Guarantors hereby expressly submit and consent in advance to such jurisdiction in any action or proceeding commenced by Witte in such court.

very truly yours,		
Lawrence N. Brandt	James R. Beers	

12/93

# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF RESPONSIBLE PARTY SITE REMEDIATION CN 028, TRENTON, NJ 08625-0028

#### PRELIMINARY ASSESSMENT REPORT

Please refer to the instructions and the Technical Requirements for Site Remediation, N.J.A.C 7:26E-3.1 through 3.2., before completing this form. Answer all questions. Should you encounter any problems in completing this form, we recommend that you discuss the matter with a representative from the Site Remediation Program. Submitting incorrect or insufficient data may cause processing delays and possible postponement of your transaction. Please call (609) 633-7141 between the hours of 8:30 a.m. and 4:30 p.m. to request assistance.

PLEASE	PRINT	OR	TYPE
--------	-------	----	------

		<del></del>		imental Group
Address	800 Carman	Street	·	
City or Town	Camden			Zip Code 08i05
Municipality			County	Camden
Lot(s)	12	Block(s)	12:01	
Site Remedia	ition Program	Case Number	or EPA Identi	fication Number
•	•	NJD9805	36577	•
				•

 Name
 Owner/Operator
 From
 To

 REMITECH Environmental Group Inc.
 7/29/92
 Present

 Resource Management Technologies
 12/28/89
 7/29/92

 Remitech Environmental Group L.P.
 11/29/89
 12/28/89

 Flower Cit beloware Valley Inc.
 10/29/81
 11/29/89

Revision	No:	
Revision	Date:	

Ecility was a	ionstructed in	1981 by Flower	OI Delawar Voll	ny for wester	al recycling	
	C. T. C. C. C. C. C. C. C. C. C. C. C. C. C.			1		
147-7-15-15-15-15-15-15-15-15-15-15-15-15-15-						
······	***************************************		•			
B. Includ	de a detail minary asse	ed descrip	tion of the	most rece	nt operations s if necessar	s subject to
		•			Cicility operations	
managed have	i the office bu	dibling and the	r population is no	et is maiera	i vermensi.	
<del></del>					•	······································
products, constituen or were hi	formulation ts and police storically	ns and haza lutants, i	ardous subst ncluding int	ances, haz ermediates attach add	materials, and master and by-productional sheet	s, hazardous ucts that ar ts if
products, constituen or were hi necessary)	formulation ts and police storically	ns and haz lutants, is present of Storas	ardous subst ncluding int	ances, haz ermediates attach add Locatio	ardous waste: and by-produ	s, hazardous ucts that ar
products, constituen or were hi necessary) Material	formulation ts and poli storically · N/A Typical Annual	ns and haz lutants, is present of Storas	ardous subst ncluding int n the site ( e Method/	ances, haz ermediates attach add Locatio	ardous wasted and by-produ litional sheet on Reference	ts if  To Remair on site? If yes, indicate
products, constituen or were hi necessary) Material	formulation ts and poli storically · N/A Typical Annual	ns and haz lutants, is present of Storas	ardous subst ncluding int n the site ( e Method/	ances, haz ermediates attach add Locatio	ardous wasted and by-produ litional sheet on Reference	ts if  To Remair on site? If yes, indicate
products, constituen or were hi necessary) Material	formulation ts and poli storically · N/A Typical Annual	ns and haz lutants, is present of Storas	ardous subst ncluding int n the site ( e Method/	ances, haz ermediates attach add Locatio	ardous wasted and by-produ litional sheet on Reference	ts if  To Remair on site? If yes, indicate
products, constituen or were hi necessary) Material	formulation ts and poli storically · N/A Typical Annual	ns and haz lutants, is present of Storas	ardous subst ncluding int n the site ( e Method/	ances, haz ermediates attach add Locatio	ardous wasted and by-produ litional sheet on Reference	ts if  To Remair on site? If yes, indicate

A. Provide a narra disposal points. (a	tive of disposal pr ttach additional sh	ocesses for eets if nec	all proce essary)	ss waste streams and
wastewater from the 1	aberatory sink is manual	ly removed a	na adda to t	ue ficility's
westewater treatment	system. Spont leagents a	re accumulated	within the	aboutey in a hazardous
waste satellite accumu	mation area, when full it	hise majorly li	belied contrum	ers are disposed at
REMITECH LEWIS BERRY				
B. Discharge Period				
From		ge Type , if known	Dischar ,	ge/Disposal Point
	·····			
for each area of c each container/are materials; (G) Loc drum storage pad); Department-approve	concern describing to a; (D) Chemical Concation; (H) Integrite and (I) Inventory and leak detection synthesis and there is the completed in acceptance.	he (A) Type tent; (E) V y (i.e., ta control rec stem, pursu no dischar	; (B) Age; olume; (F) nk test re ords, unle ant to N.J ge history th N.J.A.C	ports, description of ss a .A.C. 7:1E or 7:14B, . A site .7:26E-3.10 for all
Area of Concern	Currently/Formerly exists at facility Yes/No	Location Reference Keyed to Site Map	Sampling Proposed Yes/No	Narrative provided to support proposal Yes/No
A. Bulk storage	tanks and appurtena	nces, includ	ding, with	out limitation:
Aboveground Tanks and associated piping	M .	<u>Ves</u>	N'C	<u>Yes</u> (sec. 6.0)
Underground Tanks and associated piping	<u> Yes</u>	Yes	<u>NG</u>	<u>Yes</u> (sec. 6.0)
Silos	No	NIA	NIA	<u>ula</u>
Revision No:	·	•		

Area of Concern	Currently/Formerly exists at facility Yes/No	Location Reference Keyed to Site Map	Sampling Proposed Yes/No	Narrative provided to support proposal Yes/No
Rail Spurs or Sidings	No	AIN	NID	<u>NA</u>
Above or below , ground pump stations	No	<u> 414 </u>	NA.	NA NA
Sumps	<u> No</u>	nlv	NA	<u>NA</u>
Pits	No	NIU	4/4	<u>NA</u>
Rail/Truck loading and	100	NA.	-NA	<u> </u>
unloading areas Storage pads and areas includ	<u>00</u> Eng	NIN	<u> NIA</u>	1/10
Drum and/or wast storage. Surface lagoons	<u> </u>	<u>nja</u>	NA.	NIA
and impoundments  Dumpsters	<u> </u>	NIA	NA	NA_
Chemical storage cabinets or closets	<u> </u>	Yes	NC	Yes (Sec. 4)
B. Drainage sy	stems and areas, in	cluding, wit	hout limit	ation:
· Floor drains	<u>No</u>	NIA	Alu	NA
or trenches and piping	, ·	Nes	Ŋο	. <u>Yes (sec.4.0)</u>
Process area si and piping which receive process	ch '	<u></u>		
Roof leaders w	hen <u>No</u> ions	<u>n n</u>	<u>A u</u>	NA
vent to roof Drainage swale	, <u>No</u>	<u>alu</u>	4/11	<u> </u>
storm sewer collection sys	_No_	NA	NA	<u>ala</u>
Revision No:	:			

Revision No: Revision Date:

				•
Area of Concern	Currently/Formerly exists at facility Yes/No			Narrative provided to support proposal Yes/No
Storm water detention ponds & fire water pond	<u> No</u>	NIA	Alu	4 11
Surface water bodies	No	NIA	NIA	NIN
Septic systems, leachfields or seepage pits	<u> </u>	NA	NIA	NA
Dry wells	No	NA	NA	NA
C. Discharge and	disposal areas, inc	cluding, wit	thout limit	ation:
Waste piles	No.	NA	NIA	NA
Landfills or landfarms	<u>uo</u> .	NIV.	NA	n v
Sprayfields	No	NA	NIA	NIA
Incinerators	<u>No</u>	Ala	NIA	NIA
Open Pipe Discharges	No	NA	NA	<u>NA</u>
D. Other areas of	concern, including	, without 1	imitation:	
Electrical Transformers and capacitors	<u> </u>	NIA	AIN	<u> 4 4 </u>
Areas of stressed vegetation	<u></u>	<u>alu</u>	NA	<u> </u>
Underground pipi including indust process sewers		NIU	NA	NA
Compressor vent discharges	No	<u>A</u>	NA	NA
Non-contact cooling water discharges	No	NA	NA	NA
		•	•	

Area of Concern	Currently/Formerly exists at facility Yes/No		Sampling Proposed Yes/No	Narrative provided to support proposal Yes/No
Discolored areas or spill areas	No	414	NA	<u>NA</u>
Active or inactive producti wells	.on <u>ND</u>	<u> 4 И</u>	NA	NA
E. Building inte including, withou		otential for	discharge	to the environment,
Loading or transfer areas	<u>00</u>	HA	NA	AIN
Waste Treatment areas	<u>No</u>	NA	NA	NA
Boiler rooms	No.	NA	NIV	NA
Air vents and ducts	Yes	<u>Ves</u>	No	<u>Yes</u> (Sec. 2.5)
Hazardous materia storage or handling areas	al <u>No</u>	<u>NIA</u>	NA	<u> </u>
F. Any other si	te specific area of	concern. N	JA	•
	· · · · · · · · · · · · · · · · · · ·			-
completed for ea	ired evaluation of p ch area of concern t ate certifications	for which a included?	waiver is Yes	No No
is expected to c the presence or criteria.	complete a site inve- absence of contamin	stigation fo ants above t	or each are the current	·
7. Historical D	Data on environmenta	1 quality at	t the Indus	strial Establishment
of the Indus	ny previous sampling strial Establishment partment or been den	not receive	ed a no Iui	environmental quality other action approval epartment?
	Yes (See Attachme	ent #)	<u>X</u> No	;
Revision No: Revision Date:_		:		

Revision Date:

	n below:
<del> </del>	See Section 9.0 of the Preliminary Assessment report
underw remedi or oth	rovide a discussion of any remediation activities previously conducted or vay at the industrial establishment, including dates of discharges, tal action taken, sample results, current status or copies of Department her government agency no further action approval(s), if appropriate the additional sheets if necessary).
1	N V
	Cubernages and Wastes:
	scharge History of Hazardous Substances and Wastes:
	scharge History of Hazardous Substances and Wastes: Have there been any discharges of hazardous substances and wastes?
A.	Have there been any discharges of hazardous substances and wastes?
A.	Have there been any discharges of hazardous substances and wastes?  Yes (Complete Items B-E) X No
A.	Have there been any discharges of hazardous substances and wastes?  Yes (Complete Items B-E) X No  Was the Department notified of the discharge?  Yes No (Go to item 9D)
A.	Have there been any discharges of hazardous substances and wastes?  Yes (Complete Items B-E) X No  Was the Department notified of the discharge?
В.	Have there been any discharges of hazardous substances and wastes?  Yes (Complete Items B-E) X No  Was the Department notified of the discharge?  Yes No (Go to item 9D)  If yes, provide the case for the discharge is no further-action letter, negative-declaration approval or full-compliance letter issued as a result of the cleanup of this
В.	Have there been any discharges of hazardous substances and wastes?  Yes (Complete Items B-E) X No  Was the Department notified of the discharge?  Yes No (Go to item 9D)  If yes, provide the case #
В.	Have there been any discharges of hazardous substances and wastes?  Yes (Complete Items B-E) X No  Was the Department notified of the discharge?  Yes No (Go to item 9D)  If yes, provide the case #  Was a no-further-action letter, negative-declaration approval or full-compliance letter issued as a result of the cleanup of this discharge?  Yes (Submit a copy and go to item 9E) No
В.	Have there been any discharges of hazardous substances and wastes?  Yes (Complete Items B-E) X No  Was the Department notified of the discharge?  Yes No (Go to item 9D)  If yes, provide the case #  Was a no-further-action letter, negative-declaration approval or full-compliance letter issued as a result of the cleanup of this discharge?  Yes (Submit a copy and go to item 9E) No  Were sample results obtained?

Provide N/A				
	······································			
		· · · · · · · · · · · · · · · · · · ·		
		<u> </u>		
				- 1
m 1932 to	notographic in present or to neets if neces	the earliest photog	es larger than two a graph available (Atta	cres ch
Sec	Section 7.0	of the Preliminary Ass	sessment report	
		)		
			·	
<del></del>				•
·				<u> </u>
luding pe , receive	rmits for all d, or both (A	previous and curren ttach additional she		s facilit , applied
luding pe , receive	rmits for all d, or both (A	previous and curren	t owners or operators ets if necessary).	s facilit , applied
luding pe , receive Check her	<pre>rmits for all d, or both (A e if no permi</pre>	previous and curren ttach additional she	t owners or operators ets if necessary).	s facilit , applied
luding pe , receive Check her	<pre>rmits for all d, or both (A e if no permi</pre>	previous and curren ttach additional she ts are involved	t owners or operators ets if necessary).	Expirat
luding pe, receive Check her A. New Je	rmits for all d, or both (A e if no perminate properties of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co	previous and current tach additional she ts are involved valuation Control	t owners or operators ets if necessary).  Reason for Denial	e, applied
luding pe, receive Check her A. New Je	rmits for all d, or both (A e if no perminate properties of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co	previous and current tach additional she ts are involved valuation Control	t owners or operators ets if necessary).  Reason for Denial	e, applied
luding pe, receive Check her A. New Je	rmits for all d, or both (A e if no perminate properties of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co	previous and current tach additional she ts are involved valuation Control	t owners or operators ets if necessary).  Reason for Denial	e, applied
luding pe , receive Check her A. New Je	rmits for all d, or both (A e if no perminate properties of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co	previous and current tach additional she ts are involved valuation Control	t owners or operators ets if necessary).  Reason for Denial	Expirat
luding pe , receive Check her A. New Je	rmits for all d, or both (A e if no perminate properties of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the co	previous and current tach additional she ts are involved valuation Control	t owners or operators ets if necessary).  Reason for Denial	e, applied
luding pe , receive Check her A. New Je Permit Number	rmits for all d, or both (A e if no permi rsey Air Poll Certificate Number	previous and current tach additional she ts are involved value of Approval or Denial	Reason for Denial (if applicable)	e, applied
luding pe , receive Check her A. New Je Permit Number	rmits for all d, or both (A e if no permi rsey Air Poll Certificate Number	previous and current tach additional she ts are involved valuation Control	Reason for Denial (if applicable)	e, applied
luding pe, receive Check her A. New Je Permit Number B. Under	rmits for all d, or both (A e if no permi rsey Air Poll Certificate Number	previous and current tach additional she ts are involved valuation Control  Date of Approval or Denial  Ge Tank Registration	Reason for Denial (if applicable)  Number	Expirat Date
luding pe, receive Check her A. New Je Permit Number B. Under	rmits for all d, or both (A e if no permi rsey Air Poll Certificate Number	previous and current tach additional she ts are involved valuation Control  Date of Approval or Denial  Ge Tank Registration	Reason for Denial (if applicable)	Expirat Date
luding pe, receive Check her A. New Je Permit Number B. Under	rmits for all d, or both (A e if no permi rsey Air Poll Certificate Number	previous and current tach additional she ts are involved valuation Control  Date of Approval or Denial  Ge Tank Registration	Reason for Denial (if applicable)  Number	Expirate Date
luding pe, receive Check her A. New Je Permit Number B. Under	rmits for all d, or both (A e if no permi rsey Air Poll Certificate Number rground Storad	previous and current tach additional she ts are involved valuation Control  Date of Approval or Denial  Ge Tank Registration	Reason for Denial (if applicable)  Number	Expirat Date

enforcement rt Orders, caws or regu	and Recovery  te, local go  Permit #  t actions (i official not lations (at	Type Permi	of And the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state o	Date of opproval Denial ot limiting ives) for limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting iv	or ted to, or vio	Expiration Date  Date  Notice of
enforcement rt Orders, aws or regul	Permit #  t actions (in official not lations (at actions (at actions actions))	Type Permi	of And the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state o	Date of opproval Denial ot limiting ives) for limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting iv	or ted to, or vio	Expiration Date  Date  Notice of
enforcement rt Orders, aws or regul	Permit #  t actions (in official not lations (at actions (at actions actions))	Type Permi	of And the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state o	Date of opproval Denial ot limiting ives) for limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting iv	or ted to, or vio	Expiration Date  Date  Notice of
enforcement rt Orders, aws or regul	Permit #  t actions (in official not lations (at actions (at actions actions))	Type Permi	of And the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state o	Date of opproval Denial ot limiting ives) for limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting ives of limiting iv	or ted to, or vio	Expiration Date  Date  Notice of
enforcement rt Orders, aws or regul	Permit #  t actions (i official not lations (at	ncludin ices or tach ac	of Ay	Date of opproval Denial ot limitives) for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitive for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for lim	or ted to, or viol	Date  , Notice of
enforcement rt Orders, o aws or regu if no enfo	t actions (i official not lations (at	ncludin ices or tach ac	g but n direct	ot limitives) for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives for limitives fo	ted to, or viols if ne	, Notice of
rt Orders, cause or regulation	official not lations (at rcement acti	ices or tach ad	ditiona	1 sheet	s if no	ractons or
rt Orders, cause or regulation	official not lations (at rcement acti	ices or tach ad	ditiona	1 sheet	s if no	ractons or
rt Orders, cause or regulation	official not lations (at rcement acti	ices or tach ad	ditiona	1 sheet	s if no	ractons or
			FITAGE			
nd address	of agency th					•
	or agains; si	nat init	iated t	he enfo	rcemen	t action
·		•				
of the enfor	cement action	on				
on of statut	ce, rule or	permit	alleged	ly viola	ted	
of enforceme	ent action				·	
"·.						•
iption of the	he violation	•		·		
						· · · · · · · · · · · · · · · · · · ·
	``				•	
	ation resol	ved?				
was the viol						
was the viol					,	
	as the viol	as the violation resol	vas the violation resolved?	as the violation resolved?	vas the violation resolved?	vas the violation resolved?

			· · · · · · · · · · · · · · · · · · ·	·	4
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		<b></b>		
		9		-	
٠					
3. Sit	e Map				
letailir .ocatior regetate	n accordance with N.J.A.C. 7:265- ing the subject lot and block, pro in of current and former building ed areas, and all areas of conce e wells. See Attachments 2 and	operty and or le s, fill areas, p rn identified ab	easehold paved and	boundaries unpaved a	, reas,
B. So	caled historical site maps and f		drawing	s (if	
opograj ile rad portid	copy of the United States Geol phical quadrangle that includes dius around the site. The facil on of the USGS quadrangle is use 1, longitude and latitude with te noted on the map. See Figure	the site and an ity location should be scale, no	area of all be cl orth arro	at least o early note w, contour	d. :
4. Li	st any other information you are quested by the Department: NIA	e submitting or	which has	been form	erlv
	Description				
			Atta	ichment #	(
			Atta	ichment f	
			Atta	achment #	
. <del>-</del>			Atta	achment #	
 -			Atta	achment #	
- -			Atta	achment ≠	

Revision	No:
Revision	Date:

page 11 of 11

#### CERTIFICATIONS:

A. The following certification shall be signed by the highest ranking individual at the site with overall responsibility for that site or activity. Where there is no individual at the site with overall responsibility for that site or activity, this certification shall be signed by the individual having responsibility for the overall operation of the site or activity.

RT ENVIRONMENTAL

I certify under penalty of law that the information provided in this document is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information, and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am size aware that if I knowingly direct or authorize the violation of any statute, | am personally liable for the penalties.

pped/Printed wame WallAM /	DANGViele DYSS LENT	_
[1] / Ne X	Date 6/23/97	_
Signature Washington to and Subscribed Before Me on		
SHOUL TO SING SCORE LOCK SCHOOL IN SHE		
pare of Usul 1997	Notarial Seal	
Lawred Dordon	Patricia A. Gordon, Notary Public Fairview Twp., York County Fairview Twp., York 11997	
lotary	My Commission Expires July 31, 1997	
	Member, Penssylvania Association of Notaries	•

B. The following certification shall be signed as follows:

1. For a corporation, by a principal executive officer of at least the level of vice president;

2. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or

3. For a numicipality, State, federal or other public agency, by either a principal executive officer or ranking elected official; or

4. For persons other than 1-3 above, by the person with the legal responsibility for the site.

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein and all attached documents, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information, and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute I am personally liable for the penalties

Signature Sworn to and Subscribed Before Me on this Notarial Seal Patricin A. Gordon, Notally Public FLEWIEW TWO., York COURTY My Commission Express July 31, 1997 Notary. Distribute: Versit your as his cocletions on Nich the

# ATTACHMENT 1 GIN AND NJDEP APPROVAL LETTER

#### ARCHER & GREINER

F. MORSE ARCHER, JR (1902-1984)

THOMAS N. BANTIVOGLIO FREDERICK J., ROHLOFF CHARLES L. HARP, JR EE M. HYMERLING ROBERT R. KUGLER EDWARD C. LAIRD+ L. GERALD RIGBY JUHAN RUNNE® FRANK R. DEMMERLY, JR. ROBERT T. EGAN STEVEN W. ŞUFLAS<sup>1</sup> GARY L. GREEN® GERALD E. DARLING SEAN T. O'MEARA\* CHRISTOPHER R. GIBSON<sup>4</sup> STEVEN J. FRAM ELLIS I MEDOWAY® THOMAS A. MUCCIFORI NEAL L. SCHONHAUT+ PATRICIA K. WILLIAMS JOEL SCHNEIDER\* CRAIG J. HUBER

GEORGE E. KUGLER JR.4 PETER E. DRISCOLL CHARLES W. HEUISLER ROBERT G. HARBESON+ JOHN V. FIORELLA ROBERT T. LEHMAN ARTHUR F. RISDEN JAMES H. CARLL FRANK D. ALLEN® GORDON F. MOORE II\* TERENCE J. FOX RONALD L. GLICK THOMAS J. HURLEY DENISE M. KEYSER DEBRA S. ROSEN® KEVIN L. LILLY NICHOLAS C. HARBIST® DEBORAH A. HAYS\*

COUNSEL JOHN P. HAUCH, JR.

\*Also Member of Pennsylvania Bar \*\*Member of Pennsylvania Bar Only \*Certified Civil Trial Attorney A PROFESSIONAL CORPORATION

COUNSELLORS AT LAW
ONE CENTENNIAL SQUARE
P.O. BOX 3000
HADDONFIELD, N.J. 08033-0968

609 - 795-2121 FAX 609 - 795-0574

HTTP://WWW.ARCHERLAW.COM

PHILADELPHIA OFFICE 3700 BELL ATLANTIC TOWER 1717 ARCH STREET PHILADELPHIA, PENNSYLVANIA 19103 215 - 568-4166 FAX 216 - 568-2843 FREDERICK P. GREINER (1906-1994)

DAVID B. BACON HENRY O. BOENNING ALBERT C. BRISTOW ARRY N. COHLERS JOHN D. CRANMERS R. MONICA HENNESSY E. LYNNE HIRSCH\* ARTHUR H. JONES, JR. WILLIAM H. KENNEY SCOTT R. KNAPP KAREN S. LEWIS STEVEN K. MIGNOGNA\* MARK J. ÖBERSTAEDT STEPHEN M. PACKMAN® DANIELLE PRIOLA\* KATHLEEN M. RICCIARDI RICHARD F. ROY, JR.\* JAMI SILVERMAN NEAL WALTERS

**VIA HAND DELIVERY** 

LEIGH J. BOVE LOUIS L. CHODOFF BRIAN T. FLYNN® STEPHEN M. FOGLER DAVID L. HERRMANN STACEY J. JASKOL® PATRICK JUDGE, JR. SIGRID B. KIEP DAVID T. LEWIS ROBERT A. MAGN LEIF M. NISSEN WILLIAM J. O'KANE, JR. RONALD J. PATTERSON KELLY R. RAUSCH MARC A. ROLLO\* MARK J. SEVER, JR. STACEY J. SINCLAIR® CHRISTOPHER S. YOUNG

CHRISTINE A. BEYER

Direct Dial: (609)354-3030

Direct E-Mail: tfox@archerlaw.com

April 24, 1997

Mr. Joshua Gradwohl
Initial Notice Section
Field Operations/Discharge Response Element
New Jersey Department of Environmental Protection
401 East State Street -- Fifth Floor
Trenton, New Jersey 08625

Re:

Remtech Environmental (Camden ) L.P., 1800 Carman Street

City of Camden, Camden County, New Jersey, Lot 1, Block 1431

Dear Joshua:

Pursuant to our telephone conversation, enclosed please find the following documents in connection with the above-mentioned matter:

- 1. Original and two copies of the Preliminary Assessment; and
- 2. Original and two copies of the Application/Affidavit of Negative Declaration.

Also enclosed please find a certified check in the amount of \$500.00 (and fee transmittal sheet) to cover the cost of filing the enclosed. As I indicated, in light of the absolutely necessity of the transaction having to be consummated on or before April 30, 1997, I would ask that the enclosed be reviewed immediately and a negative declaration issued on or before that date.

12/93

# NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF RESPONSIBLE PARTY SITE REMEDIATION CN 028, TRENTON, NJ 08625-0028

#### PRELIMINARY ASSESSMENT REPORT

Please refer to the instructions and the Technical Requirements for Site Remediation, N.J.A.C 7:26E-3.1 through 3.2., before completing this form. Answer all questions. Should you encounter any problems in completing this form, we recommend that you discuss the matter with a representative from the Site Remediation Program. Submitting incorrect or insufficient data may cause processing delays and possible postponement of your transaction. Please call (609) 633-7141 between the hours of 8:30 a.m. and 4:30 p.m. to request assistance.

PLEASE	PRINT	OR	TYPE
--------	-------	----	------

Date	APRIL	23,	1997
------	-------	-----	------

City or Town	Camden		·	z	ip Code	08105
Municipality			Co	unty	Camden	)
Lot(s) 12		Block(s) _	1201			
Site Remediatio	n Program Ca	se Number	or EPA I	dentifi	cation	Number
Operational and tated or used as		(Attach ad	om the ti			
		listory fro	om the ti			
tated or used as	farmland.	History fro (Attach ad Owner/ Operator	om the ti	sheets	if ned	cessary).
Name  REMTECH Environmen	ed Group tre.	History fro (Attach ad Owner/ Operator	om the ti	"'From	if ned	To
tated or used as	farmland. <u>El Group</u> , Inc. <u>Technologies</u>	listory fro (Attach ad Owner/ Operator	om the ti	*From	: if ne	To  Resent

tacility was		100	<b>.</b>	0 , 4	
	constructed in	1981 by flower	Oil Delauxue Vallo	y for woste oil recycling	
	<del> </del>				
				most recent operations nal sheets if necessar	
_				•	
		,	•	aste oil. The facility operations	, a.c.
managed from	the office but	ilding and the	laboratory is used	I for material verification	
. Hazardo	us Substanc	e/Waste Inv	ventory: Lis	t <u>all</u> raw materials, f	inished
				nces, hazardous wastes	
constituen	ts and poll	utants, inc	cluding inte	rmediates and by-produ	cts that ar
r were hi	storically	present on	the site (a	ttach additional sheet	s if .
ecessary)	· N/A ·	-	•		* * P& *
Material	Typical	Storage	Method/	Location Reference	To Remain
Name	Annual		Type/Size	Keyed to Site Map	on site?
•	Usage	•			If yes,
	•		·	•	indicate
	• •			<i>,</i> .	quantity
•				·	•
<del></del>			<del></del>		
		•	•		
	<del></del>				<del></del>
			•		
			<del></del>		
			4	•	
. Summary	of Wastewa	iter Discha	rges of Sani	tary and/or Industrial	L Waste and,
anitary s	ludges: pre	esent and p	ast producti	on processes, includir	ng dates, a
anitary s heir resp	ludges: pre ective wate	esent and part use shall	ast producti l be identif	on processes, includir ied and evaluated, inc	ng dates, an cluding
anitary s heir resp ltimate a	ludges: pre ective wate nd potentia	esent and per use shall it is a contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to th	ast producti l be identif e and dispos	on processes, includir ied and evaluated, inc al points and how and	ng dates, an cluding where
sanitary s heir resp iltimate a naterials	ludges: pre ective wate nd potentia are or were	esent and per use shall it is a contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to the contract to th	ast producti l be identif e and dispos on-site. All	on processes, includir ied and evaluated, inc	ng dates, ar cluding where
sanitary s their resp altimate a materials	ludges: pre ective wate nd potentia are or were	esent and per use shall discharge received	ast producti l be identif e and dispos on-site. All	on processes, includir ied and evaluated, inc al points and how and	ng dates, ar cluding where
sanitary s their resp ultimate a materials	ludges: pre ective wate nd potentia are or were	esent and poer use shall discharge received on a scaled	ast producti l be identif e and dispos on-site. All site map.	on processes, includir ied and evaluated, inc al points and how and	ng dates, ar cluding where
sanitary s their resp ultimate a materials	ludges: pre ective wate nd potentia are or were	esent and post use shall discharge received on a scaled	ast producti l be identif e and dispos on-site. All site map.	on processes, includir ied and evaluated, inc al points and how and	ng dates, an cluding where
sanitary s their resp ultimate a materials	ludges: pre ective wate nd potentia are or were	esent and poer use shall discharge received on a scaled	ast producti l be identif e and dispos on-site. All site map.	on processes, includir ied and evaluated, inc al points and how and	ng dates, an cluding where
sanitary s their resp altimate a materials	ludges: pre ective wate nd potentia are or were	esent and poer use shall discharge received on a scaled	ast producti l be identif e and dispos on-site. All site map.	on processes, includir ied and evaluated, inc al points and how and	ng dates, ar cluding where
sanitary s their resp ultimate a materials	ludges: pre ective wate nd potentia are or were	esent and poer use shall discharge received on a scaled	ast producti l be identif e and dispos on-site. All site map.	on processes, includir ied and evaluated, inc al points and how and	ng dates, ar cluding where
sanitary s heir resp iltimate a naterials	ludges: pre ective wate nd potentia are or were depicted o	esent and poer use shall discharge received on a scaled	ast producti l be identif e and dispos on-site. All site map.	on processes, includir ied and evaluated, inc al points and how and	ng dates, an cluding where

A. Provide a narr disposal points.	cative of disposal (attach additional	processes for sheets if nec	call processary)	ess waste streams and
wastewater from the	laboratory sink is ma	nually removed a	ed bebbs but	the facility's
wastewater treatment	system. Spent teagen	ts are accumulate	d within the	laboratory in a hazardous
waste satellite accum	rulation area, when fu	11 these majoring 1	igheled contru	nors are disposed at
LEMTECH LOWISDERY				
B. Discharge Perio				
From	To' Disc	charge Type city, if known	Discha	rge/Disposal Point
				· · · · · · · · · · · · · · · · · · ·
·				
	•			
each container/ar materials; (G) Lo drum storage pad) Department-approv has always been i	ea; (D) Chemical (cation; (H) Integration; (H) Inventored leak detection place and there to be completed in	Content; (E) Verity (i.e., taining the control reconstruction of the control reconstruction of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of t	olume; (F) nk test re ords, unle ant to N.J ge history th N.J.A.C	ports, description o ss a .A.C. 7:1E or 7:14B,
•	Yes/No	Keyed to Site Map	Yes/No	Yes/No
A. Bulk storage	tanks and appurte	nances, includ	ling, witho	out limitation:
Aboveground Tanks and associated piping	Yes	<u>Nes</u>	No	<u>Yes</u> (sec. 6.0)
Underground Tanks and associated	. <u>Ves</u>			
piping		. <u>Yes</u>	<u>No</u>	<u>Yes</u> (sec. 6.0)
piping Silos	No	Nes NA	NA	<u>Yes</u> (Sec. 6.0)
•				

Area of Concern	Currently/Formerly exists at facility Yes/No	Location Reference Keyed to Site Map	Sampling Proposed Yes/No	Narrative provided to support proposal Yes/No
Rail Spurs or Sidings	. <u>No</u>	AIN	NA	<u> </u>
Above or below , ground pump stations	<u>No</u>	<u>alu</u>	<u>NIA</u>	<u> </u>
Sumps	No	NA	NA	NA
Pits	No	NA	NA	<u> NA</u>
Rail/Truck loading and unloading areas	<u>No.</u>	Na.	nlu	<u>n n</u>
Storage pads and areas including Drum and/or waste storage.		<u> </u>	<u>alu</u>	<u>NIV</u>
Surface lagoons and impoundments	No	NA	NA.	<u> </u>
Dumpsters	NO	NA.	NA	<u>nla</u>
Chemical storage cabinets or closets	<u>Yes</u>	Yes	NO	<u>Yes</u> (sec. 4.0)
B. Drainage syst	ems and areas, incl	uding, witho	out limitat	ion:
Floor drains or trenches and piping	No	NIA	NA	<u>n a</u>
Process area sink and piping which receive process waste	cs <u>Yes</u>	<u>Yes</u>	No	<u>Yes</u> (sec. 4.0)
Roof leaders when process operation vent to roof		Mu	<u>A u</u>	<u>alu</u>
Drainage swales and culverts	No	<u>alu</u>	AM	NA
Storm sewer collection system	<u>No</u>	NA	NA	4/4
Revision No:				

Area of Concern	Currently/Formerly exists at facility Yes/No	Location Reference Keyed to Site Map	Sampling Proposed Yes/No	Narrative provided to support proposal Yes/No
Storm water detention ponds & fire water ponds	No	NIA	Alu	NA
Surface water bodies	No	NIA	NIA	Alu
Septic systems, leachfields or seepage pits	. <u>No</u>	NA	NA	NIA
Dry wells	No	NA	NA	NA
C. Discharge and	disposal areas, inc	luding, wit	hout limit	ation:
Waste piles	No	NA	NA	NA
Landfills or landfarms	<u>No</u> .	NIV.	NA	NA
Sprayfields	NO	Alu.	NA	4/4
Incinerators	No	NA	NIA	NA
Open Pipe Discharges	No	NA	NA	NA
D. Other areas of	concern, including,	without li	mitation:	
Electrical Transformers and capacitors	<u> </u>	NIA.	NIA	AIN
Areas of stressed vegetation	. <u>ио</u>	<u>N A</u>	NA	NA
Underground piping including industria process sewers		NIU	NA	NA
Compressor vent discharges	<u>No</u>	NA	NA	NA
Non-contact cooling water discharges	No	NA	NA	NA
				•

Area of Concern	Currently/Formerly exists at facility Yes/No		Sampling Proposed Yes/No	Narrative provided to support proposal Yes/No
Discolored areas or spill areas	No	414	NIA	<u>N</u> A
Active or inactive productivells	on.	_4[n_	<u>N</u> A	<u>A</u>
E. Building inte including, withou	rior areas with a pot t limitation:	otential for	discharge	to the environment,
Loading or transfer areas	<u></u>	4/4	<u>u n</u>	NA
Waste Treatment areas	No	NA	NA	NA
Boiler rooms	No '	NA	NIA	NA
Air vents and ducts	Yes	Ves	No	<u>Yes</u> (Sec. 2.5)
Hazardous materia storage or handling areas	1 <u>No</u>	NA	NA	<u> 4 u</u>
F. Any other sit	e specific area of o	concern. N	Α	
	***************************************	. <del></del>		
·			<del> </del>	
6. Has the requi completed for eac	red evaluation of part harea of concern for	rotectivenes or which a w	s of past aiver is r Yes	remediations been equested? N/A
Are the appropria	te certifications in	ncluded ?	Yes	No
is expected to co	ver can not be cons mplete a site invest bsence of contaminar	tigation for	each area	of concern to verif
7. Historical Da	ta on environmental	quality at	the Indust	rial Establishment
of the Indust	previous sampling rial Establishment rtment or been denie	not received	a no furt	her action approval
	Yes (See Attachmen	t #) _	X No	
Revision No:				ı

	See Section 9.0 of the Preliminary Assessment repor	<del>t</del>
		•
		<del>-</del>
indervection of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract o	rovide a discussion of any remediation activities prev way at the industrial establishment, including dates o ial action taken, sample results, current status or co her government agency no further action approval(s), i ch additional sheets if necessary).	f discharges, pies of Departmen
	N/A	
	·	
	•	
<u> </u>		
9. Di:	scharge History of Hazardous Substances and Wastes:	
A.	Have there been any discharges of hazardous substance	s and wastes?
•	Yes (Complete Items B-E) X No	
В.	Was the Department notified of the discharge?	•
	YesNo (Go to item 9D)	
	If yes, provide the case #	•
c.	·	approval or anup of this
c.	If yes, provide the case #	approval or anup of this
	If yes, provide the case #	inup of this
	Was a no-further-action letter, negative-declaration full-compliance letter issued as a result of the cleadischarge?  Yes (Submit a copy and go to item 9E)	inup of this
	<pre>Was a no-further-action letter, negative-declaration full-compliance letter issued as a result of the clea discharge?  Yes (Submit a copy and go to item 9E)  Were sample results obtained?</pre>	inup of this

•	<b>\</b>		· · · · · · · · · · · · · · · · · · ·	
·				
•				
from 1932	Photographic it to present or t sheets if nece	interpretation for sit to the earliest photogessary).	tes larger than two a graph available (Atta	cres
Sec	Section 7.0	of the Preliminary Ass	sessment report	
,	-			
	•			
		,		
<del></del>		· · · · · · · · · · · · · · · · · · ·		
<del></del>	· ·			·
			•	
including	permits for all	ate and local environm I previous and current Attach additional shee	owners or operators	s facility, , applied
including for, recei Check h	permits for all ved, or both () ere if no permi	t previous and current Attach additional shee its are involved	cowners or operators if necessary).	s facility, , applied
including for, recei Check h	permits for all ved, or both ()	t previous and current Attach additional sheet the street involved	cowners or operators if necessary).	, applied
including for, recei  Check h  A. New  Permit	permits for all ved, or both (A ere if no permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits perm	A previous and current Attach additional sheet that are involved Lution Control  Date of	cowners or operators ets if necessary).   Reason for Denial	, applied  Expiration
including for, recei  Check h  A. New  Permit	permits for all ved, or both (A ere if no permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits perm	A previous and current Attach additional sheet that are involved Lution Control  Date of	cowners or operators ets if necessary).   Reason for Denial	, applied  Expiration
including for, recei  Check h  A. New  Permit	permits for all ved, or both (A ere if no permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits perm	A previous and current Attach additional sheet that are involved Lution Control  Date of	cowners or operators ets if necessary).   Reason for Denial	, applied  Expiration
including for, recei  Check h  A. New  Permit	permits for all ved, or both (A ere if no permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits perm	A previous and current Attach additional sheet that are involved Lution Control  Date of	cowners or operators ets if necessary).   Reason for Denial	, applied  Expiration
including for, recei  Check h  A. New  Permit	permits for all ved, or both (A ere if no permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits permits perm	A previous and current Attach additional sheet that are involved Lution Control  Date of	cowners or operators ets if necessary).   Reason for Denial	, applied  Expiration
including for, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, r	permits for all ved, or both (A ere if no permits)  Dersey Air Poll  Certificate  Number	A previous and current Attach additional sheet its are involved Lution Control  Date of	Reason for Denial (if applicable)	Expiration Date
including for, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, r	permits for all ved, or both (A ere if no permits)  Dersey Air Poll  Certificate  Number	Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach	Reason for Denial (if applicable)	Expiration Date
including for, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, receifor, r	permits for all ved, or both (A ere if no permits)  Dersey Air Poll  Certificate  Number	Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach additional sheek Attach	Reason for Denial (if applicable)	Expiration Date

Number	Discharge Activity	Date Issued or Denied	Expiration Date	Body of Water Discharged Int
D. Resour	ce Conservation	and Recovery Act	(RCRA) permit	# N/A
	her federal, sta			
Agency	y Issuing Permit			e of Expiration val or Date ial
·.		<u> </u>	•	
A. Check B. (1) No	here if no enfor	of agency that in	re involved _	nforcement action .
(3) S	ection of statute	e, rule or permit	allegedly vi	olated
(4) T	ype of enforceme	nt action		
(5) D	escription of th	e violation		
	· · · · · · · · · · · · · · · · · · ·			
(6) F	low was the viola	tion resolved?		

		·	·
÷			,
13. Site	Map	1	
detailing location vegetated	accordance with N.J.A.C. 7 the subject lot and block of current and former build areas, and all areas of converts. See Attachments 2	, property and or leadings, fill areas, particles, particles, particles, particles, and the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the cont	isehold boundaries, ived and unpaved areas,
C. A contopograph mile radi	siled historical site maps and the site of the United States of the United States of the guadrangle that includes around the site. The factor of the USGS quadrangle is	Geologic Survey (USGS des the site and an a acility location shal	5) 7.5 minute area of at least one .1 be clearly noted. I
interval.	longitude and latitude winoted on the map. See figure	th the name and date	of the USGS quadrangle
14. List	any other information you		nich has been formerly
	Description	111	Attachment #
			• , ·
•	•		
<del></del>			
		*. *	•

Revision	No:
Revision	Date:

page 11 of 11

16094F

#### CERTIFICATIONS:

A. The following certification shall be signed by the highest ranking individual at the site with overall responsibility for that site or activity. Where there is no individual at the site with overall responsibility for that site or activity, this certification shall be signed by the individual having responsibility for the overall operation of the site or activity.

I certify under penalty of law that the information provided in this document is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information, and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

Typed/Printed whene William	G. BALLVice pysolent
Signature	Date 6/23/97
Sworn to and Subscribed Before	Me on this
Date of april 1997	Notarial Seat
- fature Bode	Patricia A. Gordon, Notary Public Fairview Twp., York County My Commission Expires July 31, 1997
AUCLARY	My Commission Expressivaria Association of Notaries

- B. The following certification shall be signed as follows:
- 1. For a corporation, by a principal executive officer of at least the level of vice president;
- 2. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or
- 3. For a municipality, State, federal or other public agency, by either a principal executive officer or ranking elected official; or
- 4. For persons other than 1-3 above, by the person with the legal responsibility for the size.

1 certify under penalty of law that I have personally examined and am familiar with the information submitted herein and all attached documents, and that, based on my inquiry of those individuals famediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information, and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that If I knowingly direct or authorize the violation of any statute I am personally liable for the penalties.

Typed/Printed/NameWilliam 6/13	Ailer Title MENDENT
Signature Subs	2. Date 4/23/97
Suorn to and Subscribed Before Me p	n this 23ed
Date of Roud 1997	Notarial Seal Patricia A. Gordon, Notary Public Fairview Twp York County
Notary	My Commission Expires July 31, 1997



#### ISRA PRELIMINARY ASSESSMENT/ SITE INVESTIGATION

#### FOR:

REMTECH ENVIRONMENTAL 1800 CARMAN STREET CAMDEN, CAMDEN COUNTY, NEW JERSEY

**RT PROJECT NUMBER 1913-01** 

#### PREPARED FOR:

MR. BRETT ROBINSON REMTECH ENVIRONMENTAL GROUP 1800 CARMAN STREET CAMDEN, NEW JERSEY 08105

**APRIL 1997** 

			TABLE OF CONTENTS	Page #
1.0	INTR	ODUCT	ION	. 1
2.0	SITE	HISTOF	RY	2
	2.1	ADJA	CENT LAND USE	5
	2.2	HISTO	DRIC MAP REVIEW	5
	2.3	MACR	RAE'S INDUSTRIAL DIRECTORY REVIEW	7
	2.4	TITLE	SEARCH	. 7
	2.5	SITE I	PLANS AND BUILDING LAYOUT AND CONSTRUCTION	` 8
	2.6	GOVE	ERNMENT FILE REVIEWS	9
		2.6.1	FEDERAL GOVERNMENT	11
		2.6.2	STATE GOVERNMENT	12
		2.6.3	UNPLOTTABLE SITES	13
		2.6.4	LOCAL GOVERNMENT	13
3.0	INDU	STRIAL	SITE HISTORY	14
4.0	MATE	RIALS	USED ON SITE	15
5.0	PRO	OUCTIO	N PROCESS REVIEW	16
6.0	STOF	RAGE A	ND TANK AREAS	17
7.0	HISTO	ORIC A	ERIAL PHOTOGRAPH REVIEW	18
8.0	DISC	HARGE	AND RELEASE REVIEW	19
9.0	REMEDIAL ACTIVITIES			20
10.0	ENVIRONMENTAL MONITORING			21
11.0	REM	EDIATIC	ON MONITORING UPDATES	22
12.0	PERM	MITS	•	23
13.0	ENVI	RONME	NTAL ENFORCEMENT ACTIONS	24
14.0	ŜÚM	MARY A	AND CONCLUSIONS	0.5

#### **FIGURES**

FIGURE 1:

SITE LOCATION MAP

3

#### **ATTACHMENTS**

**ATTACHMENT 1:** 

GIN AND NJDEP APPROVAL LETTER

**ATTACHMENT 2:** 

SITE PLAN

**ATTACHMENT 3:** 

INSPECTOR QUALIFICATIONS

**ATTACHMENT 4:** 

SITE PHOTOGRAPHS

**ATTACHMENT 5:** 

TAX LOT MAP

**ATTACHMENT 6:** 

HISTORIC MAPS

**ATTACHMENT 7:** 

1994 MACRAE'S INDUSTRIAL DIRECTORY LISTING

**ATTACHMENT 8:** 

**CURRENT DEED** 

**ATTACHMENT 9:** 

DATABASE REPORT

**ATTACHMENT 10: RIGHT TO KNOW DOCUMENTATION** 

ATTACHMENT 11: UST NO FURTHER ACTION LETTER

**ATTACHMENT 12:** 1995 AERIAL PHOTOGRAPH

#### 1.0 INTRODUCTION

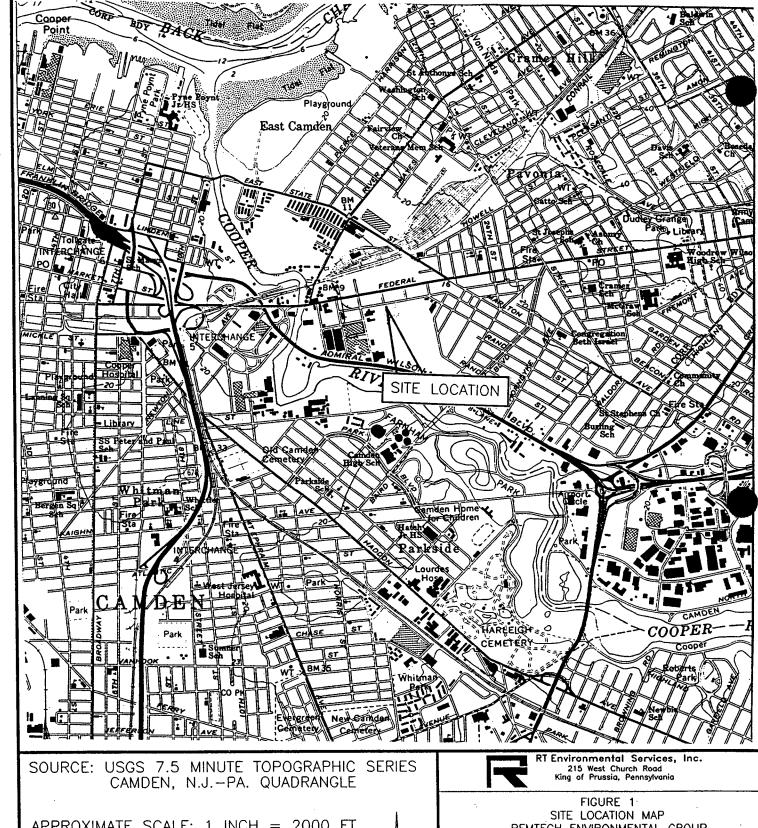
On April 1, 1997, RT Environmental Services, Inc. (RT) was retained by Mr. Brett Robinson, of REMTECH Environmental Group to conduct a Preliminary Assessment of the office/laboratory portion of the REMTECH Environmental facility located in Camden, Camden County, New Jersey. The purpose of this Preliminary Assessment was to identify any potential areas of concern involving the office/laboratory portion of the property, not included in the Hazardous Waste Closure Plan for the facility. A copy of the Industrial Site Recovery Act (ISRA) General Information Notice (GIN) prepared for this portion of the REMTECH Environmental facility, and the New Jersey Department of Environmental Protection (NJDEP) approval of the assessment coverage are included in Attachment 1. A site plan depicting the office/laboratory portion of the REMTECH Technology facility addressed by this assessment is included in Attachment 2. The Preliminary Assessment was conducted to comply with the New Jersey Technical Requirements for ISRA as stated in N.J.A.C. 7:26E 3.1. The results of the Preliminary Assessment are detailed in the following report.

#### 2.0 SITE HISTORY

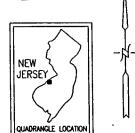
The REMTECH Environmental facility is located at 1800 Carman Street in Camden, Camden County, New Jersey. A site location map is provided as Figure 1. An on-site inspection was performed on April 4, 1997 by RT representative Chris Eyre. A copy of his resume is provided as Attachment 3. Site photographs are provided in Attachment 4.

The REMTECH Environmental facility is rectangularly shaped and occupies approximately 1.9743 acres. The office/laboratory portion of the facility occupies approximately 900 square feet of the facility. Approximately eighty percent of the office/laboratory portion of the facility is covered by the office and laboratory buildings, with the remaining area comprised of concrete sidewalk and landscaped ground. The entire REMTECH Environmental property is described as Lot 12 in the City of Camden Block 1201. A copy of the Tax Assessment Map is provided as Attachment 5.

Based on the United States Geological Survey (USGS) 7.5 minute Topographic Map of Camden, New Jersey-Pennsylvania (1986), a portion of which is included in Figure 1, the subject site is located above 12 feet above mean sea level. The closest water body is Cooper River which is located approximately 1,200 feet south of the subject site. The area surrounding the site is relatively flat. Based on surface topography, as interpreted from the USGS Topographic Map, the local groundwater flow direction would be north (upgradient) to south (downgradient). The actual groundwater flow direction is often locally influenced by factors such as surface topography, underground structures, soil and bedrock geology, production wells, and other factors beyond the scope of this study.



APPROXIMATE SCALE: 1 INCH = 2000 FT.



REMTECH ENVIRONMENTAL GROUP 1800 CARMAN STREET CAMDEN, CAMDEN COUNTY, NEW JERSEY

Prepared For:

REMTECH ENVIRONMENTAL GROUP 1800 CARMAN STREET

	CA	MDEN, NEV	V JERSEY	08105	
CHARGE	1913-01	RT-1913	ENGINEER	DESIGNER	ORAFTSPERSO C.R.E.
SCALE	1"=2000"	DRAWING NUMBER	DT 4047		REVISI
DATE	4/44/07	7	RT-1913	)	- 1

4/11/97

061

According the National Wetlands Inventory map of Camden, New Jersey-Pennsylvania Quadrangle no wetlands are present on or around the subject site. The closest wetlands are along Cooper River, approximately 1,200 feet south of the subject property. RT reviewed the Flood Insurance Map for the City of Camden and found the office/laboratory portion of the REMTECH Environmental facility is located within Zone B. Zone B is indicated as areas between the limits of the 100-year flood and the 500-year flood; or certain areas subject to 100-year flooding with average depths less than one foot or where the contributing drainage area is less than one square mile.

Stormwater runoff on-site appears to be toward the south. There is a drainage trench located south of the laboratory building in the concrete paved parking lot. The drainage trench discharges to the sanitary sewer and the storm sewer. The discharge from the trench is tested monthly as part of the overall effluent analysis program under the Camden County Municipal Utilities Authority permit. According to Ms. Karen Fisher of REMTECH Environmental, the subject property is supplied with electricity by Public Service Electric and Gas (PSE&G), and sewer service is provided by the City of Camden (collection) and the Camden County Municipal Utilities Authority (treatment). The subject property receives potable water from the New Jersey American Water Company. Natural gas is available from PSE&G. The building is heated by oil supplied by a 250 gallon above ground storage tank (AST) with secondary containment. The AST is located south of the office building between the office building and the laboratory. No staining was observed on the ground surface around the tank, and no sheen was apparent on the water surface in the diked area of the tank. A dumpster for general non-hazardous waste is periodically emptied by Waste Management. The dumpster is not on the office/laboratory portion of the subject property.

#### 2.1 Adjacent Land Use

The surrounding properties appear to be a mixture of commercial/industrial type facilities and vacant land. The surrounding land use is as follows:

- The property is bordered along the north by Carman Street with the
   DiMedio Lime Co., located north across Carman Street.
- The property is bounded to the east by vacant undeveloped land.
- The property is bounded to the south by vacant undeveloped land.
- The property is bounded to the west by a vacant lot with an industrial/commercial property, Allebach, located west of the vacant lot.

#### 2.2 Historic Map Review

A historic map search was conducted for the subject property and surrounding area by Environmental Risk Information & Imaging Services (ERIIS). Historic maps are available for the subject property and surrounding area for 1906, 1926, 1950, 1977 and 1982. Copies of these maps are included in Attachment 6. The maps are summarized as follows:

The 1906 Sanborn Map depicts the subject property and surrounding properties as undeveloped. The closest developed property is listed as H. Schultz Bottling Est., to the north, at the intersection of Federal Street and 18th Street.

The 1926 Sanborn Map depicts the subject property and surrounding properties as undeveloped. Some additional industrial/commercial development of the surrounding area is apparent.

The 1950 Sanborn Map depicts the subject property and surrounding properties as undeveloped.

The 1977 Sanborn Map depicts the subject property as undeveloped. The DiMedio Lime Co., facility to the north has been constructed. Additional commercial facilities are apparent along Federal Street. Surrounding properties to the east, south and west appear undeveloped.

The 1982 Sanborn Map depicts the subject property as improved with the Flowen Oil Co., facility. The facility is depicted in essentially the same configuration as the current facility. Surrounding facilities appear essentially as they exist today. Surrounding properties appear to be a mixture of industrial/commercial type properties and vacant land.

#### 2.3 MacRae's Industrial Directory Review

RT reviewed the MacRae's Industrial Directories at the Trenton Public Library. The first listing for REMTECH Environmental Group was in 1991. REMTECH Environmental Group is listed in all the subsequent directories through 1996. REMTECH Environmental Group is not listed in any of the directories prior to 1991, and Flowen Oil Delaware Valley, Inc., is not listed in any of the directories. The directories list REMTECH Environmental Group as performing waste disposal services, with approximately 20 employees and estimated sales of \$5 to 10 million. A copy of the 1994 listing is included in Attachment 7.

#### 2.4 Title Search

RT has performed a title search dating back to December 20, 1941. The current owner REMTECH Environmental Group, Inc., a Pennsylvania corporation, acquired the subject property from Resource Management Technologies, Inc., a New York corporation, on July 29, 1992. A copy of the most recent deed is included in Attachment 8. Resource Management Technology, Inc., acquired the subject property from REMTECH Environmental Group, Inc., L.P., a Delaware Limited Partnership, on December 28, 1989. REMTECH Environmental Group, L.P., obtained the subject property from Flowen Oil Delaware Valley, Inc., a New Jersey corporation, on November 29, 1989. Flowen Oil Delaware Valley, Inc.'s name was changed from Flowen Oils Delaware Valley, Inc., on September 13, 1984. Flowen Oils Delaware Valley, Inc., acquired the subject property from Cornell & Company, Inc., a New Jersey corporation, on October 29, 1981. Cornell

& Company, Inc., obtained the subject property as part of a larger property from Planet, Inc., a New Jersey corporation, on May 29, 1970. Planet, Inc., acquired the property from the City of Camden, a municipal corporation of the State of New Jersey, on February 10, 1964. The City of Camden obtained the property from Fidelity-Philadelphia Trust Company, a Pennsylvania corporation, on December 20, 1941.

#### 2.5 Site Plans and Building Layout and Construction

A site plan prepared by RT for the entire REMTECH Environmental facility is included in Attachment 2. Two buildings are present on the office/laboratory portion of the subject property. The buildings designated office and laboratory were constructed in the early 1980s.

According to Ms. Karen Fisher of REMTECH Technology, the office/laboratory portion of the facility is used to manage the facility operations and monitor operations and incoming materials through laboratory testing.

The buildings are constructed on a single poured concrete base with drywall walls and flat metal roofs with steel I beams. The buildings are finished on the exterior with metal siding. The office floors are finished with floor tile and the walls are finished with wood panelling. There is a drop ceiling located in the office building. Fluorescent lighting was observed in both buildings. There is a venting unit in the laboratory. As the laboratory is not part of the recycling process, it is not believed to be of further concern at this time.

#### 2.6 Government File Reviews

As part of the overall review and audit of the property, RT located performed a computerized database search (ERIIS Report) of Federal and State Databases. The search was performed under 1800 Carman Street, Camden, New Jersey 08105. The ERIIS Report is an environmental screening tool which identifies both target and adjoining properties within a ASTM recommended search distance radii which may impact the subject property. The search radius for specific government records may be specified by the client or as in the case of this report, it can be made to vary according to the requirements of the ASTM Environmental Assessment Standard. The potential environmental liabilities associated with each site are also identified via each searched database.

The ERIIS Report records search is divided into two types of regulatory search areas:

- Federal Records Site Listings
  - a. NPL, CERCLIS, RCRA/HWDMS/RCRIS, TRIS (SARA Title III), PADS, and TSCA
  - ERNS (spills reported to EPA and Coast Guard) and HMIRS (spills reported to DOT)
  - c. FINDS (cross-reference to other EPA databases)
- 2. State Records Site Listings:
  - a. Registered UST Sites

State Hazardous Waste Sites, Solid Waste Facilities/Landfills, Leaking
 UST Sites and Registered Underground Storage Tank sites.

The report is divided into three main sections:

- Maps identifying topographic features, detailed site area features and overview information.
- Individual database listings provide information on the target property and sites surrounding the target property in order of proximity, including, where possible, distance and direction from the target property.
- Un-mappable sites information which identifies properties within the same zip code area, adjacent zip code areas or same county as the subject property that may be of concern.

A complete report can be found in Attachment 9.

#### 2.6.1 Federal Government

		Sta	ite Databa	se Search Results Summary			
Database	Date of Listing NJ/PA	Search Radius (miles)	Site Listed	Surrounding Sites within Specified Radius			
				Description	Dist	Dir	Note
NPL	12/1/96	1.00	No	None	,		
CERCLIS	12/1/96	0.5	Yes	Flowen Oil Delaware Valley Corp. Conrail-Pavonia Engine Yard Monsanto	Site 0.325 0.457	Site NW SW	1
RCRIS-TS	10/1/96	0.5	No	None			
RCRIS-LG	10/1/96	0.25	Yes	Concord Chemical Co., Inc. Borden Chemical Printing Ink REMTECH Environmental ABC Bus Federal Oil Co. Trailways, Inc. Donald B. Kelly, Inc.	0.021 0.069 Site 0.175 0.202 0.220 0.240	TWW NWW Site NWW NWW SENE	1 1 1 1 1 1 1
RCRIS-SG	10/1/96	0.25	No	None			
ERNS	12/31/96	0.05	No	None			
NFRAP	12/1/96	. 0.5	- No	Borden Chemical Printing Classic Chemical Advanced Chemical Technology	0.069 0.101 0.320	NW SW NW	1

Note:

<sup>(1)</sup> Based on proximity, these facilities have the potential to impact groundwater at the subject property; however, since the subject property and surrounding properties are on public water supply, these facilities are not believed to be of further concern at this time.

### 2.6.2 State Records

				1			
	<u> </u>	St	ate Databa	ase Search Results Summary			· 
Database	Date of Listing	Search Radius	Site Listed	Surrounding Sites within Specified Radius			
	NJ/PA	(miles)		Description	Dist	Dir	Note
LRST	8/9/95	0.50	No	Goodwill Ind. Merit Camden Mobil Serv Sta #12 HVP Camden Properties Exxon Service Station #3-2038 The Auto Place Amoco Service Station #5179 Monsanto Chemical Co. Facility	0.021 0.283 0.319 0.320 0.322 0.332 0.415 0.457	NW SW SE NW SE NE SE SW	1 1 1 1 1 1 1
RST	10/7/96	0.25	Yes	DiMedio Lime Co. Concord Chemical Co, Inc. Goodwill Industries Paris Foods Corp. REMTECH Environmental HWR Corp. Federal Oil Company Trailways, Inc. Donald B. Kelly, Inc. AWB Associates United Fabricators	0.010 0.021 0.021 0.059 Site 0.165 0.202 0.220 0.240 0.242 0.247	N NW NW Site N E NW SE NE SW NE	1, U 1 1 1 1 1 1 1
SWF	1/9/97	0.50	No	Camden City Train Station	0.485	sw	1
HWS	1/1/97	1.00	No	Goodwill Industries Incorporated Classic Chemical Adams Oil Incorporated Merit Service Station Camden City Conrail Pavonia Engine Yard Exxon Service Station Camden City Camden Transfer Station Amoco Service Station Camden City Monsanto Company Harrison Avenue Landfill Magnetic Metals Corporation The Garage Mobil Service Station Camden City NJ Transit Bus Operations Inc. Shell Service Station Pennsauken Shell Service Station Camden City Penn Jersey Rubber & Waste Co. Cooper Hosp University Medical Ctr Shell Service Station Camden City	0.052 0.103 0.234 0.291 0.325 0.342 0.368 0.414 0.463 0.502 0.524 0.605 0.637 0.664 0.715 0.727 0.901 0.930 0.975	SE SW SW SE SW SE SE SW SW SE SW SW SE SW SE SW SE SW SE SW SW SW SW SW SW SW SW SW SW SW SW SW	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Note:

(U) Unplottable site

<sup>(1)</sup> Based on proximity, these facilities have the potential to impact groundwater at the subject property; however, since the subject property and surrounding properties are on public water supply, these facilities are not believed to be of further concern at this time.

#### 2.6.3 Unplottable Sites

RT has reviewed the list of unplottable sites indicated in the regular database report. Based on an inspection of the site and surrounding properties, one unplottable site appears to be located within the specified radii of the subject property. The unplottable site is listed in the summary table in Section 2.6.2.

#### 2.6.4 Local Government

RT contacted the City of Planning Department of confirm zoning for the subject property. The subject property is zoned MR, which designates manufacturing/residential.

Mr. Fred Martin the City of Camden Administrative Analyst was contacted regarding the subject property. Mr. Martin was not familiar with REMTECH Environmental's operations at the subject property. According to Mr. Martin, Flowen Oil Delaware Valley, Inc., operations at the property had numerous violations related to spills and overruns of oil into storm drains which ultimately discharged to Cooper River. The violations were not, however, associated with the office/laboratory portion of the property.

Ms. Gayle Pagano, the Senior Environmental Health Specialist for the Camden County Municipal Utilities Authority, was contacted regarding the industrial pretreatment program for the REMTECH Technology facility. Ms. Pagano indicated that the facility has an on-going compliance problem related to discharge. Most recently, the facility was out of compliance with BOD, COD, some metals, total petroleum hydrocarbons, oil and grease and TTO. The facility is currently under a compliance schedule to study the problem toward installing whatever technology is necessary to bring the discharge within compliance. Ms. Pagano indicated that none of the compliance problems are associated with the office/laboratory portion of the facility.

#### 3.0 INDUSTRIAL SITE HISTORY

Based on an interview conducted with Ms. Karen Fisher of REMTECH Environmental Group, the following site use history was obtained:

#### **CURRENT SITE USE**

The site is currently used for recycling of waste oil. Profiles are submitted for material to be recycled. Waste oil arrives at the site in tanker trucks and the contents are sampled and analyzed in the laboratory to confirm the material matches the profile. Paperwork for each shipment is inspected for correctness. Once the paperwork is checked and the sample verifies the waste profile, the material is pumped from the tanker into above ground storage tanks for recycling.

#### **PREVIOUS SITE USE**

The site was originally constructed in 1981 by Flowen Oil Delaware Valley, Inc. Flowen Oil Delaware Valley, Inc., used the facility for recycling waste oil, with operations beginning in March 1982. Prior to 1981, the subject property appears to have been vacant.

#### 4.0 MATERIALS USED ON SITE

As part of the overall review process, RT reviewed "Right to Know" documentation from 1984 until the present. The "Right to Know" documentation is used to inform employees and the local community of hazardous materials used or stored at a facility. Copies of the "Right to Know" surveys are provided as Attachment 10. According to the most recent survey the following materials are used and/or stored at the REMTECH Technology facility:

Compound	Maximum Quantity	<u>Hazardous</u>
Diesel Fuel/Heating Oil	10,001-50,000 pounds	No
Used Petroleum Oil	100,001-250,000 pounds	No
Sulfuric Acid	1,001-10,000 pounds	No
Samples of Reported Substance	Minor	No

Heating oil used to fuel the boiler to heat the office and laboratory is stored in a 250 gallon above ground storage tank with secondary containment, located adjacent to the northern side of the laboratory. The additional quantity listed for diesel fuel/heating oil and the used petroleum oil are stored in above ground tanks inside a concrete dike. These tanks are not part of the office/laboratory portion of the property. Sulfuric acid is stored in minor quantities in properly labeled containers inside chemical cabinets in the laboratory. The additional quantity indicated is stored outside the office/laboratory portion of the property. The samples of reported substances are stored in properly labeled bottles inside a chemical cabinet in the laboratory. The cabinet is located above the single poured concrete floor in the laboratory, and is not believed to be of further concern at this time. All wastewater generated in the laboratory sink is manually carried to and emptied into the facility's wastewater treatment system.

#### 5.0 PRODUCTION PROCESS REVIEW

REMTECH Technology receives waste profile sheets for material to be recycled. The profile sheets are reviewed, and are either accepted or denied. Accepted material is brought to the site in tanker trucks. Drums are not accepted. Prior to off-loading the material, the permits, decals and licenses are checked and a sample of the material is collected to verify components of the material meet the facility's permit levels. Material samples are analyzed in the laboratory. If the material is acceptable, and the permits, decals and licenses are correct, the material is off-loaded by gravity feed through an unloading box into above ground storage tanks inside a concrete dike for recycling. The unloading box removes gross solids prior to pumping the material into the ASTs. The water and oil waste material are then segregated and treated separately. The oil passes through microseparaters and centrifugal purifiers. Heat exchangers aid in separating the remaining solids. Finally, the oil is pumped into two 25,000 gallon ASTs to be sold. Separated water is processed through the facilities water treatment system. Sludges are transported in roll off containers to the REMTECH Environmental facility in Lewisberry, Pennsylvania for disposal. None of the materials are stored on the office/laboratory portion of the property.

#### 6.0 STORAGE AND TANK AREAS

Heating oil is stored on site in a 250 gallon unregulated AST located along the northern side of the laboratory. The tank is constructed of single walled steel, with secondary containment. Water that collects within the secondary containment is periodically pumped out. No sheens were apparent on the interior walls of the secondary containment, or on the surface beneath the tank.

Historically, there were two underground storage tanks (USTs) located along the western side of the laboratory. One tank had a \$,000 gallon capacity and was used to store unleaded gasoline, and the second tank had a 10,000 gallon capacity and was used to store diesel fuel. Both tanks were excavated and removed June 1994, by S&M Waste Oil, Inc. Based on the closure report issued for the tank removals, the NJDEP issued a no further action letter on May 1, 1995. A copy of the no further action letter is included in Attachment 11, and a site plan depicting the former tank locations is included in Attachment 2.

#### 7.0 HISTORIC AERIAL PHOTOGRAPH REVIEW

Historical aerial photographs of the site and vicinity were reviewed for indications of previous site usage and potential sources of contamination in the subject site area. Historic aerial photographs from 1945, 1965, 1970, 1975, 1980, 1985 and 1990 were reviewed at the Free Library of Philadelphia. A historic aerial photograph for 1995 was reviewed at the Delaware Valley Regional Planning Commission. A copy of the 1995 aerial photograph is provided as Attachment 12. The results of the historic aerial photograph review are as follows:

- The 1945 aerial photograph reveals the subject property as apparently improved with a number of small buildings. The current DiMedio Lime Co., facility located north across Carman Street appears developed. Surrounding properties appear primarily vacant except for a single building located directly north of the subject property, across Carman Street. Surrounding land use appears to be primarily vacant and commercial/industrial.
- The 1965 aerial photograph depicts the subject property as unimproved. Adjacent properties to the west to 17th Street and to the east, appear unimproved. Properties to the north across Carman Street appear essentially as they exist today.
- The 1970 aerial photograph shows the subject property as essentially unchanged since 1965. Some additional commercial/industrial development of the surrounding area is apparent.
- The 1975 and 1980 aerial photographs show the subject property and surrounding properties as essentially unchanged since 1970.
- The 1985 aerial photograph shows the subject property as improved with buildings in the same configuration as the current buildings. The subject property and surrounding properties appear essentially as they exist today.
- The 1990 and 1995 aerial photographs show the subject property and surrounding property essentially as they exist today.

#### 8.0 <u>DISCHARGE AND RELEASE REVIEW</u>

There are no reported releases which are associated with the office/laboratory portion of REMTECH Environmental facility.

#### 9.0 REMEDIAL ACTIVITIES

The only remedial activities conducted on the office/laboratory portion of the facility are related to one of the ASTs located in the concrete diked area of the facility. In August 1996, one of the waste oil ASTs in the diked area was pressurized owing to a break in the steam heating system, causing an overflow from the safety vent and spraying the surrounding area, including a portion of the office/laboratory portion of the property, with waste oil. The released waste oil was subsequently cleaned up, and confirmatory soil samples collected on September 13, 1996 and April 4, 1997, indicate that additional soil removal is necessary in a very limited area. Since the release was directly related to a portion of the facility covered by the Hazardous Waste Closure Plan and not to operations at the office/laboratory, and based on follow up activities that the facility is required to conduct to meet NJDEP Soil Cleanup Standards, and because there was only a thin film of oil, RT does not believe this to be of further concern at this time.

## 10.0 ENVIRONMENTAL MONITORING

No current environmental monitoring of groundwater or permitted discharges is being conducted at the office/laboratory portion of the facility.

079

## 11.0 REMEDIATION MONITORING UPDATES

No remediation monitoring is currently being conducted at the office/laboratory portion of the facility.

22 080

## 12.0 PERMITS

No discharge or operating permits are specific to the office/laboratory portion of the facility.

# 13.0 ENVIRONMENTAL ENFORCEMENT ACTIONS

No environmental enforcement actions are related to the office/laboratory portion of the subject property.

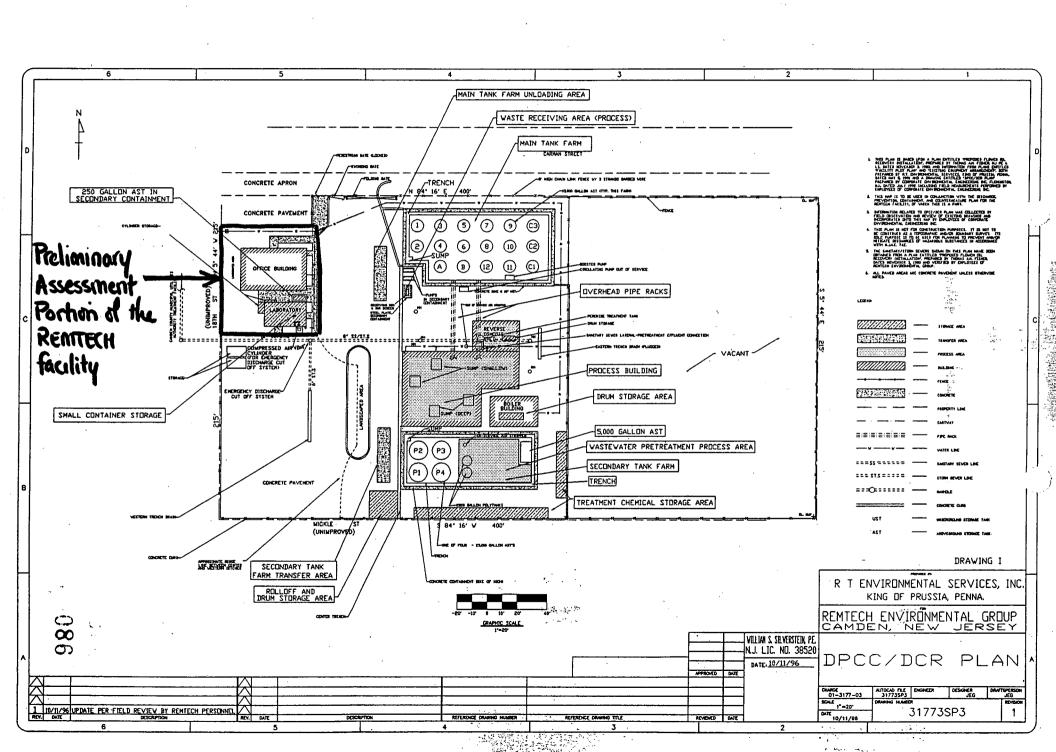
082

# 14.0 SUMMARY AND CONCLUSIONS

Work was completed for the office/laboratory portion of the REMTECH Environmental facility. This portion of the facility is not covered under the Hazardous Waste Closure Plan. Based on findings of the Preliminary Assessment, no potential Areas of Concern (AOCs) were identified, and RT recommends no further investigation of the office/laboratory portion of the property.

# ATTACHMENTS

# ATTACHMENT 2 STEPLAN



GROUP.

IRAA CARMAN STREET

CLOSURE

# ATTACHMENT 8

CURRENT DEED

**DEED** 

This Deed was prepared by Ronald A. Klempner, Esq.

This Deed is made on July 29, 1992.

BETWEEN RESOURCE MANAGEMENT TECHNOLOGIES, INC.,

a New York Corporation, having an office at 910 East 138th Street, Bronx, New York 10454, referred to herein as the GRANTOR,

445

REMTECH ENVIRONMENTAL GROUP, INC.,

a Pennsylvania Corporation, having an office at 550 Industrial Drive, Lewisberry, Pennsylvania, referred to herein as the GRANTEE.

In return for the payment to them of TEN DOLLARS (\$10.00), the Grantor grants and releases to the Grantee all of the claims of the Grantor upon the land located in the City of Camden of the County of Camden and State of New Jersey, specifically described as follows:

**18**88888

ALL that land and premises located in the City of Camden, County of Camden, State of New Jersey, described as follows:

BEGINNING at the intersection of the Easterty line of 18th Street with the Southerly line of Carman Street and extending; thence

(1) along the Southerly line of Carman Street, North 84 degrees 16 minutes East, 400.00 feet to the Westerly line of 19th Street; thence

t fon 8 de = E cunty tate .P.N.B.]

(2) along the Westerly line of 19th Street, South 5 degrees 44 minutes East, 215.00 feet to the Northerly line of Mickle Street (not physically open); thence

(3) along the Northerly line of Mickle Street, South 84 degrees 16 minutes West, 400 feet to the Easterly line of 15th Street; thence

(4) along the Easterly line of 19th Street, North 5 degrees 44 minutes West, 215.00 feet to the place of BEGINNING.

CONTAINING 1.974 acres. BEING . Tax Lot 12 Block 1201.

BEING the land and premises that became vested in Resource Management Technologies, Inc., a New York Corporation by deed dated November 29, 1989, and recorded in the Camden County Register of Deeds on December 28, 1989

The land is now designated as Lot 12 in Block 1201 on the municipal tax map (Account No. 115390).

 $I\_I$  No property tax identification number for the land is available at the time of this conveyance.

084571-0611

# STATE OF NEW JERSEY AFFIDAVIT OF CONSIDERATION OR EXEMPTION (c. 49, P.L. 1968) Or PARTIAL EXEMPTION (c. 176, P.L. 1975)

To Be Recorded With Deed Pursuant to c. 49, P.L. 1969.8	81	10.00
1	Consideration S Exempt Code = E	10.00 08/05/1992
ATE OF NEW JERSEY	County	.00
` ue	State N.P.N.R.F	.00
UNITY OF Camden	RU TOTAL	.00
PARTY OR LEGAL REPRESENTATIVE (See Instruct	ons #3, 4 and 5 on reverse side)	
Downers Runald A. Klempher bei	ng duly sworn according to law upo	in his/her outh deposes and
11. 0° \ L . F	Franton in a deed date	July 29 1972.
	01Int N	0. 12
1800 Carman St.	Camdon Cando	- Comby,
Aled M. J. C. S. Sheet	ddress, Municipality, County)	and annexed hereto
12 08102		and manered hereto,
CONSIDERATION (See Instruction §6)		d the monetony value of sear
Deponent states that, with respect to deed hereto anne	red, the actual amount of money and aid or to be paid for the transfer of	title to the lands, tenements?
her thing of value constituting the entire compensation p		iect or which is to be assumed it
nd agreed to be paid by the grantee and any other tien to	neumbrance thereon not paid, satisf	en or removed in connection
ith the transfer of title is \$ 10000		1
B) FULL EXEMPTION FROM FEE	•	100
	mpt from the realty transfer fee im	posed by c. 49, P.L. 1968, <b>for</b> symbol is not sufficient. Shell
Deponent claims that this deed transaction is fully ex- ne following reason(s): Explain in detail. (See Instruction	1.1 Mere telefelice to exemplified	1 1
Solely to release sec	urity ton a de	- 61
	E: All baxes below apply to grantor	3/38
'I und Deponent claims that this deed transaction is exempt 1. 176, P.L. 1975 for the following reason(s):		
A. SENIOR CITIZEN (See Instruction #8)	Owned and occupied by grantor sale.	(s) at time ni
Grantor(s) 62 yrs. of age or over.*  One or two family residential premises.	No joint owners other than sp	ouse or other
One or two-tamity residential premium	qualified exempt owners.	
B. BLIND (See Instruction #8)	DISABLED (See Instruction #8)  Grantor(s) permanently and tot.	ally disabled.
Centor(s) levally blind.*	One or two family residential	premises.
One or two-family residential premises.  Owned and occupied by grantor(s) at time of	<ul> <li>Receiving disability payments.</li> </ul>	: A
-ale	Owned and occupied by granto	r(s) at time of
No joint owners other than spouse or other	sale.  Not gainfully employed.	۱. هر د آم در
qualified exempt owners.	No joint owners other than 8	pouse or other
IN THE CASE OF HUSBAND AND WIFE, ONLY ONE GRANTOR NEED QUALITY.	qualified exempt owners.	
C. LOW AND MODERATE INCOME HOUSING :	See Instruction #8)	
Affordable According to H.U.D. Standards.	☐ Reserved for Occupancy ☐ Subject to Resale Controls	
Meets Income Requirements of Region.	☐ Simper to desire Commiss	
D. NEW CONSTRUCTION (See Instruction #91	☐ Not previously occupied.	
Entirely new improvement.		
Deponent makes this Affidavit to induce the Coun	" Clark or Revister of Deeds to reco	ird the deed and accept the fi
Deponent makes this Affidavit to induce the Coun- submitted herewith in accordance with the provisions of	relys. Pla 1964. July	Resource Manyers
	10.00 IA	Jechnologies Ina
Subscribed and Sworn to before me	Home of Deponent	Name of Grenter 138 M 5
this day of Queen 1992 90	E 138 - 21/1 Barry N1	Andress of Grantor of time of the
Jan Stay	Addisse at Deponem (04)4	Bux, MI (0)
MAD COLOREST	CIAL USE ONLY inty Clerk or Register of Deeds	<b> </b>
DORIS ELLIS   Instrument Number	County	
RY PUBLIC OF NEW TERSET [Li)eed Number B	nok 1 age	<u>_</u> i
	ate Recorded	SE SIDE HEREOF
PERSON COMPLETING THIS AFFIDAVIT, PLEASE F		
IMPORTANT -BEFORE COMPLETITION CONTRACTOR IN the I	EAD THE INSTRUCTIONS ON THE REVERS department of the Treasury, as required by t	sw, and may not be altered or

The Grantor has received the full payment from the Grantee by delivery by Grantee to Grantor of a Purchase Money Promissory Note in the original principal amount of Two Hundred Thousand Dollars (\$200,000.00) dated November 29, 1989, made by Grantor payable to Remtech Environmental Group, L.P. and assigned to Grantee.

The Grantor signs this Deed on the first date above. This Deed is signed by the corporate officers of the Grantor and its corporate seal is affixed.

This Deed is signed and attested by the Grantor's proper corporate officers as of the date at the top of the first page. Its corporate seal is affixed.

Attested by:

RESOURCE MANAGEMENT TECHNOLOGIES, INC., a New York Corporation

STATE OF NEW JERSEY, COUNTY OF 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992. 1992.

NOTICET PERLIC OF NEW JERSEY
MY COMMISSION EXPIRES

\$\( \frac{1}{2} \)

DEED

RESOURCE MANAGEMENT TECHNOLOGIES. INC.

to

REMTECH ENVIRONMENTAL GROUP, INC.

Record and (return to:

RONALD A. KLEWPNEZZ 843 RED RD TENNECK, NJ 0766

SSYNC-2 WILES

994565

RECORDED - CUMPEN COUNTY

DB4571-0613

( 1) ()

# ATTACHMENT 16

UST NO FURTHER ACTION LETTER



# State of New Jersey

Christine Todd Whitman Governor

Department of Environmental Protection

Robert C. Shinn, Jr.

Commissioner

Bureau of Field Operations
Underground Storage Tanks Unit
CN-028
401 East State Street
Trenton, NI 08625

Dennis A. Konnick

Remtech Environmental

1800 Carmen Street

Re:

Remtech Environmental Camden, Camden County Closure # C94-0094 UST # 0142715

Dear Mr. Konnick:

Camden, NJ 08105

Pursuant to the authority vested in the Commissioner of the New Jersey Department of Environmental Protection (Department) and duly delegated to the Bureau Chief of the Bureau of Field Operations pursuant to the Underground Storage of Hazardous Substances Act, N.J.S.A. 58:10A-21 et seq. and implementing regulations, N.J.A.C. 7:14B et seq., the referenced No Further Action (NFA) proposal for the below referenced area(s) of concern (AOCs) is hereby approved. This closure consisted of the removal of one 5,000 gallon unleaded gasoline underground storage tank (UST), one 10,000 gallon diesel fuel UST and all associated piping. The results of the soil analysis indicated contaminant levels were below the cleanup criteria developed for this site. Pursuant to N.J.A.C. 7:26E, a ground water investigation was not required.

This approval is based on the information provided to the Department concerning the satisfactory completion of the Site Investigation Report received on November 3, 1994 in accordance with the Technical Requirements for Site Remediation (NJ.A.C. 7:26E).

This approval shall be limited only to the above referenced AOC(s), the condition of such areas as of the date of this letter, and shall not be construed to address any other areas of the site. This NFA Approval Letter shall not restrict or prohibit the Department or any other agency from taking regulatory action under any other statute, rule or regulation. By issuing this NFA Approval Letter, the Department reserves its right to pursue any penalties allowable under the law for violations pursuant to the Underground Storage of Hazardous Substances Act, N.J.S.A. 58:10A-21 et seq. and implementing regulations, N.J.A.C. 7:14B et seq., or any other statute, rule or regulation.

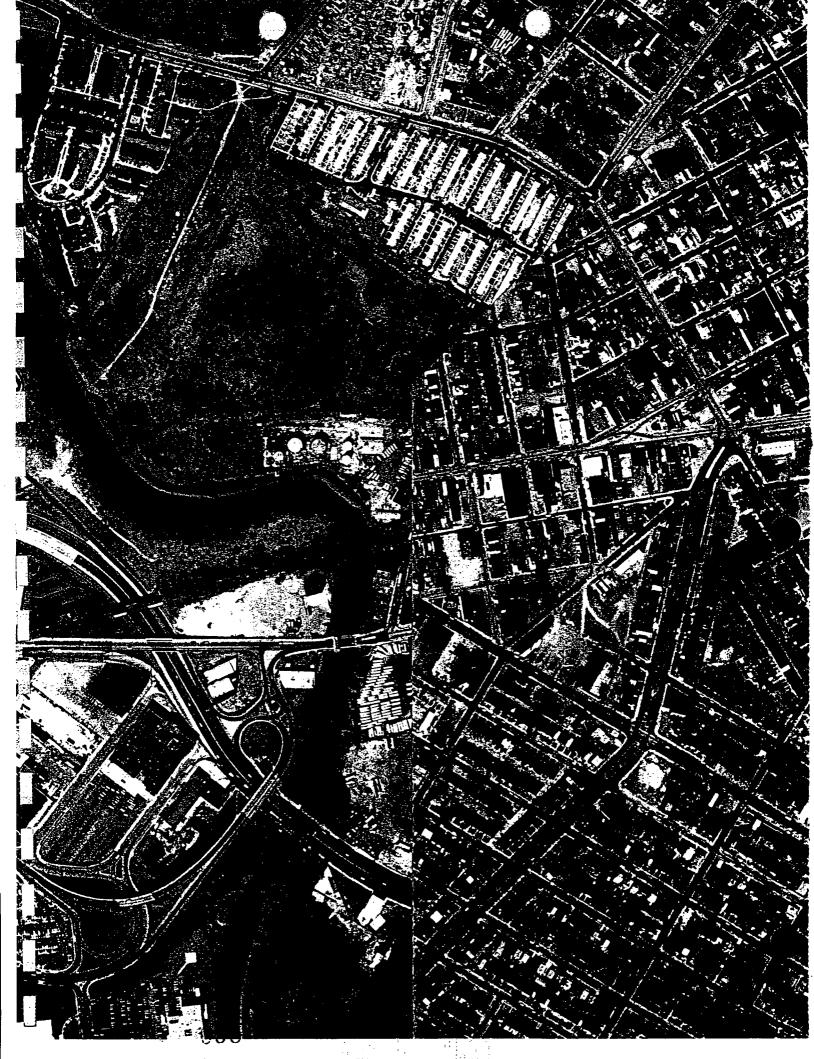
Sincerely,

Vince S. Krisak, Section Chief Bureau of Field Operations

c: Sheila Migliarino, Case Manager Raul Pastrana, S&M Waste Oil, Inc.

# ATTACHMENT 12

1995 AERIAL PHOTOGRAPH



# INDUSTRIAL SITE RECOVERY ACT NEGATIVE DECLARATION AFFIDAVIT

T-3 - 1	WELT THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO THE TAXABLE TO T	
Industria Establich	nment: Remtech Environmental (Camden) L.P.	£ }
	ment: Lavironmental (Camden) L.P.	ši (
•		<del></del>
		· <del>.</del>
Facility		_
Address;	1800-Carman Street	
		<del>-</del>
••		
· · · · · · · · · · · · · · · · · · ·		_
Municipali	ity: Camden -	
	tty!	
•_		• .
Count	y: Camden	•
Tax		-
Block(s	): See Schedule A	
Tax		•
Lot(s):	See Schedule A	•
ISRA Cas		
ADIO CAS	se vo:	
	•	
ISRA Tri	igger: Sale of real estate and operating assets	· -
Seller(s	F): Rewtech Environmental (Camden) L.P.	•
		•
Buyer(s)	Clean Venture, Inc. (Assignee of	
•	- Title Chase Environmental Resources, Inc.)	
I. Wri	President of Lewisberry Env LLIAM BATLER Services, Inc. the corporat	ironmental
ems (Name	, as partner	
of the in	ndustrial establishment, have specific knowledge of the operations	n/Title)
Remte	ech Environmental (Camden) L.P.	of
	(Industrial Establishment)	
•	· · · · · · · · · · · · · · · · · · ·	,
nereby st	tate that:	
a. t	there have been as it	
t	there have been no discharge(s) of hazardous substances or hazardou	s wastes fro
A	Assessment and, if required - city the completion of a Pr	eliminary
N	J.J.A.C. 7:26E (Technical Requirements for Site Remediation)	ediation per
•	or .	
<b>.</b>		
X b. a	ny discharge(s) of hazardous substances or hazardous wastes on or modustrial establishment have been companies.	· · · · · ·
<u>į.</u>	ndustrial establishment have been remediated in accordance with N.: Technical Requirements for Site Remediated	rom the
( )	Technical Requirements for Site Remediation) and approved by the De	partment.
		* -=

3.

CERTIFICATIONS
----------------

A. The following certification shall be signed by the highest ranking individual at the with overall responsibility for that site or activity. Where there is no individual at the site with overall responsibility for that site or activity, this certification shall be signed by the individual having responsibility for the overall operation of the site or activity.

to my best knowledge
I certify under penalty of law that the information provided in this document is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

Typed/Printed Name WILLIAM BAILER Environmental Services Inc. General Part Signature	ner Date 42397	berry
Sworn to and Subscribed Before Me		
on this 23.ed		
Date of April 1997  Notary (	Notarial Seal Patricia A. Gordon, Notary Public Fairview Twp., York County My Commission Expires July.31, 1997 Member, Penasylvania Association of Notaries	

- B. The following certification shall be signed as follows:
- For a corporation, by a principal-executive officer of at least the level of vice president;
- 2. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or
- 3. For a municipality, State, Federal or other public agency, by either a principal executive officer or ranking elected official; or
- 4. For persons other than 1-3 above, by the person with the legal responsibility for the site.

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate, or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute I am personally liable for the penalties.

I do not believe to be true. I am also a violation of any statute I am personally	ware that if I knowingly direct or authorize the
Typed/Printed Name /WIPLIAM/BAILER Environmental Services, Inc., General Par Signature	Title President Lewisherry  Date 42397
Sworn to and Subscribed Before Me	
on this	Notarial Seal Patricia A. Gordon, Notary Public Fairview Twp.; York County
Date of Sul 19 9/	My Commission Expired July 31, 1997 Member, Penacylvania Association of Notarias

#366 P. 14/15

52-40,7221

### SCHEDULE A

That portion of Block 1431, Lot 1 in the City of Camden) on which is located an office building, associated oil fuel tank, laboratory and the location of a former underground storage tank (which was removed in accordance with applicable law).

199218

-098



### State of New Jersey

Christine Todd Whitman

Department of Environmental Protection

Robert C. Shinn, Jr. Commissioner

Terence J. Fox, Esquire Archer & Greiner, PC One Centennial Square Haddonfield, NJ 08033

APR 2 9 1997

RE: Industrial Establishment: Remtech Environmental (Camden) L.P.

Location: 1800 Carman Street, Camden, Camden County

Block: 1431 Lot: 1 (Portion)

ISRA Case #E97169

Transaction: Sale of Property; Sale of Business Negative Declaration Affidavit dated April 23, 1997

Dear Mr. Fox:

Pursuant to the authority vested in the Commissioner of the New Jersey Department of Environmental Protection (NJDEP) by the Industrial Site Recovery Act, (ISRA) N.J.S.A. 13:1K-6 et seq. and duly delegated to the Bureau Chief of the Bureau of Field Operations pursuant to N.J.S.A. 13:1B-4, the proposal for no further action at the above referenced Industrial Establishment is hereby approved. This approval is based upon information provided to the NJDEP.

Please be advised that this No Further Action approval does not cover the used oil processing area regulated under the Solid Waste Management Act (SWMA), Recycling Rules set forth at N.J.A.C. 7:26A and currently being addressed under a SWMA Closure Plan. The environmental impact of this area was not evaluated under ISRA.

This approval shall be limited to the above referenced transaction only and shall not restrict or prohibit the NJDEP or any other agency from taking regulatory action under any other statute, rule or regulation. By issuing this No Further Action approval letter, NJDEP continues to reserve all rights to pursue any penalties allowable under the law for violations of the ISRA statute associated with the above referenced transaction.

Sincerely,

Vince Krisak, Section Chief Bureau of Field Operations

c: Dr. Jung H. Cho, Health Officer Ron Wienckoski, BFO NJD980536547

\$100.00 F80080210

Master Site

ISRA-001 10/2000

DEC 1 6 2002

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF FIELD OPERATIONS - ISRA INITIAL NOTICE P.O. Box 435 401 EAST STATE STREET TRENTON, NJ 08625-0435

INDUSTRIAL SITE RECOVERY ACT (ISRA)

### **GENERAL INFORMATION NOTICE (GIN)**

This information must be submitted within calendar 5 days following any applicable triggering event as specified at N.J.A.C. 7:26B-3.2. Please refer to the instructions and N.J.A.C. 7:26B-3.3 before filling out this form. Answer all questions. Should you encounter any problems in completing this form, do not hesitate to call (609) 633-0708 between the hours of 8:30 a.m. and 4:00 p.m. and ask for a representative of the Initial Notice Section. Submitting insufficient data may cause processing delays and possible postponement of your transaction.

PLE	ASE TY	Date 12-6-02
1.	A.	Industrial Establishment
		Name CLEAN VENTURE TUC Telephone Number 908-355-5800
		Street Address 1800 CARMAN STREET
	Ŧ	City or Town CAMDEN State New Jewy Zip Code 08/05
		Municipality CAM den county CAMden
	В.	Tax Block Number(s) 1431 Tax Lot Number(s) 1
	C.	Does the Industrial Establishment include the Entire Site 125 or a Leasehold Portion of the
		above referenced Block and Lots designated in 1B above (place an "X" after the correct designation).
	D.	Standard Industrial Classification (SIC) Number 8744 2992 (CD)
	E.	Current Property Owner(s)
		Name CLERN VENTURE TUC Telephone Number 908-355-5800
		Firm Chean Venture Inc
		Street Address \$ 201 South FIRST STREET
		Municipality 2112 Abeth State New Jersey Zip Code 07206
	F.	Current Business Owner (if different from 1.A above)
•		Name Chen Venture Inc Telephone Number 908-355-5800
		Firm Chean Venture as c
		Street Address 201 South FIRST STREET
		2004 DE2012

2.	Deminim	ere been any previous or concurrent ISRA/ECRA submissions (including Applicability Determinations or us Quantity Exemption Application) by this Industrial Establishment or another Industrial Establishment, cupied the same tax block and lot number? YesNo
		If Yes, Name of Industrial Establishment RenTech Environmental
		ISRAIECRA Case No. E97169 Current Status No Forther Action Approved
3.		ne same property occupied by the Industrial Establishment in #1A - #1C above received a No Further Action or Negative Declaration Approval?
٠	٠	Yes (please provide copy)XNo
	questi	, was the No Further Action Letter or Negative Declaration Approval for the entire establishment defined in on #1 of this application or for a portion of the industrial establishment defined in question #1 of this ation? (Place an "X" after the appropriate statement)
4.	Indica	te the transaction(s), which initiates the ISRA review. Check all that apply (see N.J.A.C. 7:26B-3.2 & 3.3):
		X Sale of Property Sale of Business X Sale of Assets
		Cessation Foreclosure Stock Transfer/Corporate Merger
		Bankruptcy Partnership Situation Change
		Other (attach documentation to explain)
5.	lf a c	essation of operations is involved at this location provide the following information:
	A. P	rovide the date of the public release of the decision to close the facility/Not popularity
		rovide the date that operations ceased NARRIANDL or
	.C. P	rovide the date that operations will cease 3 / 3) / 03.
6.	date	transaction initiating an ISRA review is an agreement of sale or execution of an option to purchase, fill in the of execution of that instrument below. Provide one (1) copy of the document if also applying for a Remediation ement.
	A.	Is a sale involved? X Yes No (If no, skip 4B, C and D.)
	В.	Provide the date of the Agreement/Notifications of Option to Purchase 12/6/02
	C.	Provide the date proposed for transfer of title 3 /31 /03
	D.	Please complete the following:
		NAME OF PARTY/PURCHASER: LORCO PETROLEUM SERVICES
		ADDRESS: 450 South FIRST STREET Elizabeth NTO 7206
		PHONE #: 908-820-8800 CONTACT PERSON Tone LIONETTi

If a sale if involved, I understand as the contract seller that if the agreement is terminated then I am no longer required to obtain a no further action letter or authorization letter from the Department. In accordance with N.J.A.C. 7:26B-3.4 a withdrawal affidavit will be submitted stating the reasons why compliance with ISRA no longer applies to the site referenced in Question 1A above.

7.	Authorized agent designated to work with the Department.
	Name Michael Persico Telephone Number 908-355-5800
	Firm Chera Venture Inc
	Street Address 201 Sorth FIRST STRE
	Municipality Elizabeth State NT
8.	Pursuant to N.J.A.C. 7:26B-1.9, by the submission and certification for the consent to the entry of the industrial establishment is during any phase of remediation, upon the presentation of cr
9.	Pursuant to N.J.A.C. 7:26B-3.3(a)10, the owner/c following schedules (check the appropriate stateme
	All remedial activities will be done in accuand 6.3.
	All remedial activities will be done in accordance
10.	Do you consider this site to be a "Brownfield" as defined below:
	"Brownfield Site" means any former or current commerc.  vacant, underutilized or the remediation is being cono.  redevelopment and which there has been, or is suspected  contaminant.  arrently  to pursue  ascharge of a
11	Please provide the name and mailing address of the individual or representate of the firm responsible for conducting the remediation subject to this filing. The Department will address the final no further action/ covenant no to suddetermination for the industrial establishment to the listed representative. All other correspondence from the Department will be directed to the authorized agent listed in item 7 above.
	Does the listed individual or firm own the property, business, or both $X$ ? (Place a check in the appropriate space)
	Name Michael Persico Title President
¥	Firm Chean Venture Inc Telephone # 908-355-5800
	Street Address 201 South FIRST STREET
	Municipality Elizabeth State VJ zip Code 07206

#### **CERTIFICATION:**

The following certification shall be signed pursuant to the requirements of N.J.A.C. 7:26B-1.6(e).

An individual who is familiar with the Industrial Establishment through on-site observation must sign the certification. The individual must be in a position of authority that can attest to the accuracy of the response to each question. When the situations arise, the certification shall be executed as follows:

- 1. For a corporation or limited liability company, by a principal executive officer of at least the level of Vice President;
- 2. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively;
- 3. For a municipality, state, Federal or other public agency, by either a principal executive officer or ranking elected official; or
- 4. By a duly authorized representative of a corporation, partnership, sole proprietorship, municipality, state or Federal or other public agency, as applicable. A person is deemed to be a duly authorized representative if the person is authorized in writing by an individual described in 1, 2, or 3 above and the authorization meets the following criteria:
- The authorization specifies either an individual or a position having responsibility for the overall operation of the
  industrial establishment or activity, such as the position of plant manager, or superintendent or person of equivalent
  responsibility (a duly authorized representative may thus be either a named individual or any individual occupying a
  named position);
- · The written authorization is submitted to the Department; and
- If an authorization is no longer accurate because a different individual or position has responsibility for the overall
  operation of the industrial establishment or activity, a new authorization satisfying the requirements listed above shall
  be submitted to the Department prior to, or together with, any reports, information, or applications to be signed by an
  authorized representative.

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of N.J.S.A. 13:1K-6 et seq., I am personally liable for the penalties set forth at N.J.S.A. 13:1K-13.

Typed/Printed Name Michael Persico	Title Resident
Signature Versice	Date
Sworn to and Subscribed Before Me	
on this day of day of	19_ <i>00_2</i>
Dupane & Carnota	
Notary ()	
SUZANNE L. CZARNOTA	·

SUZANNE L. CZARNOTA NOTARY PUBLIC OF NEW JERSEY My Commission Expires July 1, 2007



### State of New Jersey

James E. McGreevey

Governor

Department of Environmental Protection

Bureau of Risk Management, Initial Notice, and Case Assignment ISRA Initial Notice P.O. Box 435 401 East State Street, 5th Floor

Trenton, NJ 08625-0435

January 14, 2003

2 Bradley M. Campbel:

Commissioner

Michael Persico Clean Venture Inc 201 South First Street Elizabeth, NJ 07206

Re:

Clean Venture Inc

1800 Carman Street, Camden City, Camden County

ISRA Case #E20020510

#### Dear Sir:

This letter serves to advise you, the authorized agent for Clean Venture Inc, the New Jersey Department of Environmental Protection (Department) received a complete/incomplete Industrial Site Recovery Act (ISRA) General Information Notice (GIN).

Clean Venture Inc is required to complete all applicable remediation activities following the minimum requirements set forth at N.J.A.C. 7:26E, the Technical Requirements for Site Remediation, which became effective July 18, 1997. It is expected that these remediation activities will be completed within the time frames indicated on the Clean Venture Inc GIN, as required pursuant to N.J.A.C. 7:26B-3.3(a)10i or ii. Should Clean Venture Inc determine that it is necessary to deviate from the expected schedule of implementation, then Clean Venture Inc shall submit a revised schedule of implementation for the completion of each phase of the investigation. The remedial activities shall be conducted as specified below:

1. The completion of a Preliminary Assessment (PA) in accordance with N.J.A.C. 7:26E-3.1 and the submission of a PA Report as per N.J.A.C. 7:26E-3.2 along with a negative declaration, as long as no areas of concern are identified in the PA that require the completion of a Site Investigation. Please note failure to disclose and address all areas of concern can result in unnecessary case delays. Please refer to N.J.A.C. 7:26E-1.8 to ensure that all areas of concern have been identified.

The PA form can be downloaded from the Department's Internet website at <a href="http://www.state.nj.us/dep/srp/isra/forms.htm">http://www.state.nj.us/dep/srp/isra/forms.htm</a>.

- 2. If necessary, the completion of a Site Investigation (SI) in accordance with N.J.A.C. 7:26E-3.3 through 3.12 and the submission of the PA/SI Report in accordance with N.J.A.C. 7:26E-3.13 along with a negative declaration, as long as the SI reveals no contamination above applicable remediation standards or criteria; or
- 3. If the SI reveals contaminants with levels above applicable remediation standards or criteria and those contaminants require further delineation and/or remediation, the submission of a Remedial Investigation (RI) Workplan prepared in accordance with N.J.A.C. 7:26E-3.2, 3.13 and 4.2, for Department review and approval.

Please note all reports submitted to the Department will not be reviewed unless they are submitted with the required review fee pursuant to N.J.A.C. 7:26B-8. Furthermore, if during any phase of remediation, Clean Venture Inc discovers that a discharge has occurred, then Clean Venture Inc is required to notify the Spill Hotline at 1-877-927-6337.

Furthermore, the Technical Regulations require electronic data submittal of all analytical results. All data submitted shall conform to the "Reduced Laboratory Deliverables Format" consistent with the guidance contained in the Tech Rules. The data shall be presented as a hard copy and an electronic deliverable format using one of the following:

- a. Use of the Hazardous Site Information Application (HazSite),
- b. Submittal in a Lotus-compatible spreadsheet format [Clean Venture Inc.wk1 file],
- c. Though not stated in Tech Rules, a .DBF (FoxPro, Dbase) file format is acceptable.

The Electronic Data Interchange Handbook and a copy of the current HAZSITE application software may be obtained from the Department by calling (609) 633-1476. A diskette shall be submitted directly to your assigned case manager. Additional information regarding the HAZSITE application may be obtained through the Department's Internet web site at <a href="http://www.state.nj.us/dep/srp">http://www.state.nj.us/dep/srp</a>. Enter into the Regulations & Guidance icon to find the HAZSITE icon. Reports submitted without the required electronic data will not receive a final written approval from the Department.

All submittals must have three separate files. The files must be named as follow:

- a. DTST
- b. HZSAMPLE
- c. HZRESULT

The Department has received several diskettes and the most common error has been the naming of the files. The files must be named exactly as referenced above with the required mandatory fields. The file name shouldn't reference the case name, SRP ID or any other identifier.

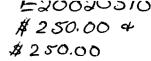
If remediation of soil and/or ground water has been completed, Clean Venture Inc is required to submit the total capital costs involved in performing and confirming a cleanup as well as the costs associated with the proper disposal of all wastes generated during the cleanup. Costs to be reported include monitoring systems, equipment and mobilization costs; operational and maintenance costs, including all labor, utilities and repairs; consulting and labor costs, and sample costs; all disposal costs, including transport, waste transfer and facility tipping fees as well as regulatory review fees.

Be advised, soil remedial activities that will take longer than 5 years, and remedial actions involving groundwater and/or surface water require Department approval prior to implementation.

Finally, ISRA imposes as a precondition of a sale of business, assets or property, that the owner or operator must first obtain a No Further Action approval, a Remedial Action Work Plan approval, or a Remediation Agreement.

Should you have any questions regarding this correspondence, please contact the Initial Notice Section at (609) 633-0708

Bureau of Risk Management, Initial Notice, and Case Assignment





**Responsive Environmental Management Services** 

January 31, 2003

State of New Jersey
Bureau of Industrial Site Recovery (ISRA)
P.O. Box 435
401 East State Street 5<sup>th</sup> Floor
Trenton, New Jersey 08625-0435

Re. Case # E20020510

### Dear Sirs:

Enclosed are an Expedited Review Application, a Preliminary Assessment Report, and two checks to cover the fees associated with these. We appreciate the departments prompt response. As part of our submittal we included the prior documentation concerning the property which includes the former General Information Notice and the former Preliminary Assessment.

Should you have any questions please do not hesitate to contact me.

Sincerely,

Michael Persico

President

#### NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF FIELD OPERATIONS-ISRA INITIAL NOTICE P.O. BOX 435 401 EAST STATE STREET TRENTON, NJ 08625-0435

### INDUSTRIAL SITE RECOVERY ACT

### **EXPEDITED REVIEW APPLICATION**

The purpose of this Affidavit is to obtain the New Jersey Department of Environmental Protection's approval of an expedited review pursuant to the Industrial Site Recovery Act, N.J.A.C. 7:26B-5.1. The Department may require the applicant to submit additional information and documentation to support the applicant's certifications contained in this application.

					•
PLEA	SE TYPE OR PRIN	<u>NT</u> ·			
				Date <u>1/31/03</u>	
1.	Industrial Establ	lishment			
	Name	Clean Venture	e, Inc.		
	<del></del>	1800 Carman S	Street		_
		Camden		Camden	: · · · · · · · · · · · · · · · · · · ·
	Tax Block(s)	,	Tax Lot (s)		(
2.	Has a General	Information Notice (	GIN) been filed for this transa	action?	
	If yes, I	ISRA Case No. Za	10020510	·	
	If no, a	attach a completed G	GIN to this application.		
3.	I hereby state the	that: (check the appr	ropriate statement)		•
	equiva	alent approval has be	lan has previously been im een issued by the Departmer by the attached no further ac	nt for the designated tax	block(s) and tax lots(s
	block(s	gative declaration ha (s) and tax lot(s) lister r action letter or equi	as been previously approve ted above as evidenced by fi ivalent approval; or	ed by the Department f the attached negative de	or the designated tax eclaration approval, no
	equiva Resou Enviro	alent remediation of urce Conservation onmental Response.	Inited States Environmental of the designated tax block(s) and Recovery Act 42 Le, Compensation and Liability al law as evidenced by the	s) and tax lot(s) listed a J.S.C. §6901, et seq., ity Act 42 U.S.C. §9601	above pursuant to the , the Comprehensive l et seq. or any othe
1	107 approx		in law as sylashess by the		

I hereby state that since the issuance of a no further action letter, negative declaration approval, or equivalent

remediation approval listed in 3 above, a preliminary assessment report and site investigation report, as applicable, have been completed at the industrial establishment in accordance with the Technical Requirements for Site Remediation, N.J.A.C. 7:26E. I also state that the order of magnitude analysis required pursuant to N.J.A.C. 7:26E-3.2(a)5 has been completed to determine whether any contaminants remain, at the industrial establishment, which exceed the current cleanup criteria by more than an order of magnitude.

Based on the preliminary assessment report and site investigation report, and the order of magnitude analysis as applicable, (check the appropriate statement)

- There has been no discharge of a hazardous substance or hazardous waste at the industrial establishment, subsequent to the issuance of the no further action letter, or equivalent approval and no levels of contamination remain at the industrial establishment which exceed the current applicable cleanup criteria by more than an order of magnitude; or
- A discharge of a hazardous substance or hazardous waste at the industrial establishment has occurred subsequent to the issuance of the no further action letter, or the equivalent approval. The remediation of the discharge was performed in accordance with N.J.A.C. 7:26E and approved by the Department as evidenced by the attached no further action letter or equivalent approval and no levels of contamination remain at the industrial establishment which exceed the current applicable cleanup criteria by more than an order of magnitude;
- 5. I hereby state that: (check the appropriate statement)
  - There are no underground storage tank systems covered by the provisions of N.J.S.A. 58:10A-21 et seg. and N.J.A.C. 7:14B located at the industrial establishment listed above; or
  - I am in compliance with the provisions of N.J.S.A. 58:10A-21 et seq. and N.J.A.C. 7:14B for any underground storage tank system covered by the provisions of N.J.S.A 58:10A-21 et seq. and N.J.A.C 7:14B located at the industrial establishment listed above.

### **CERTIFICATION:**

The following certification shall be signed pursuant to the requirements of N.J.A.C. 7:26B-1.6(e).

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of N.J.S.A. 13:1K-6 et seq., I am personally liable for the penalties set forth at N.J.S.A. 13:1K-13.

Typed/Printed Nam	e Michae	l Persico	)	Title _	President
Signature	P	lisie	<u> </u>		Date January 31, 2003
Sworn to and Subse	cribed Before	Me		•	
on this	31st	day of	January		
Dekra Co Notary	Inn W.	anama	kes_		

DEBRA ANN WANAMAKER NOTARY PUBLIC OF NEW JEESEY Commission Express 4/7/2004

# PRELIMINARY ASSESSMENT & NEGATIVE DECLARATION OF FORMER OWNERS AND OPERATORS



### State of New Jersey

Department of Environmental Protection

Bradley M. Campbell Commissioner

nes E. McGreevey Governor

Bureau of Risk Management, Initial Notice, and Case Assignment ISRA Initial Notice P.O. Box 435 401 East State Street, 5th Floor Trenton, NJ 08625-0435

Mr. Michael Persico Clean Venture Inc. 201 South First Street Elizabeth, NJ 07206

MAY 2 6 2003

Re:

Entire Site

Unrestricted Use

No Further Action Letter and Covenant Not to Sue

Industrial Establishment: Clean Venture Inc

Location: 1800 Carman Street Camden, Camden County Block: 1431 Lot: 1 ISRA Case #: E20020510

ISRA Transaction: Sale of Property and Sale of Assets Expedited Review Affidavit Dated: January 31, 2003

Dear Mr. Persico:

Pursuant to N.J.S.A. 58:10B-13.1 and N.J.A.C. 7:26C, the New Jersey Department of Environmental Protection (Department) makes a determination that no further action is necessary for the remediation of the industrial establishment as specifically referenced above, except as noted below, so long as Clean Venture Inc did not withhold any information from the Department. This action is based upon information in the Department's case file and Michael Persico's final certified affidavit dated January 31, 2003. In issuing this No Further Action Determination and Covenant Not to Sue, the Department has relied upon the certified representations and information provided to the Department.

By issuance of this No Further Action Determination, the Department acknowledges the certification by Clean Venture Inc that a Preliminary Assessment and as applicable a Site Investigation has been completed pursuant to the Technical Requirements for Site Remediation (N.J.A.C. 7:26E) for the industrial establishment. The Department reserves its rights to require any person responsible for the contamination at the site to address Natural Resource Injuries.

# NO FURTHER ACTION CONDITIONS

As a condition of this No Further Action Determination pursuant to N.J.S.A. 58:10B-12o. Clean Venture Inc and any other person who was liable for the cleanup and removal costs, and remains liable pursuant to the Spill Act, shall inform the Department in writing within 14 calendar days whenever its name or address changes. Any notices submitted pursuant to this paragraph shall reference the above case number(s) and shall be sent to: Director, Division of Remediation Management & Response, P.O. Box 28, Trenton, NJ 08625.

### COVENANT NOT TO SUE

The Department issues this Covenant Not to Sue (Covenant) pursuant to N.J.S.A. 58:10B-13.1. That statute requires a covenant not to sue with each no further action letter. However, in accordance with N.J.S.A. 58:10B-13.1, nothing in this Covenant shall benefit any person who is liable, pursuant to the Spill Compensation and Control Act (Spill Act), N.J.S.A. 58:10-23.11, for cleanup and removal costs and the Department makes no representation by the issuance of this Covenant, either express or implied, as to the Spill Act liability of any person.

The Department covenants, except as provided in the preceding paragraph, that it will not bring any civil action against the following:

- (a) the person who undertook the remediation;
- (b) subsequent owners of the subject property;
- (c) subsequent lessees of the subject property; and
- (d) subsequent operators at the subject property;

for the purposes of requiring remediation to address contamination which existed prior to Michael Persico's final certified affidavit dated January 31, 2003 for the real property at the industrial establishment identified above, including payment of compensation for damages to, or loss of, natural resources and the payment of cleanup and removal costs for such additional remediation.

Pursuant to N.J.S.A. 58:10B-13.1d, this Covenant does not relieve any person from the obligation to comply in the future with laws and regulations. The Department reserves its right to take all appropriate enforcement for any failure to do so.

The Department may revoke this Covenant at any time after providing notice upon its determination that either:

- (a) any person with the legal obligation to comply with any condition in this No Further Action Letter has failed to do so:
- (b) any person with the legal obligation to maintain or monitor any engineering or institutional control has failed to do so.

This Covenant Not to Sue, which the Department has executed in duplicate, shall take effect immediately once the person who undertook the remediation has signed and dated the Covenant Not to Sue in the lines supplied below and the Department has received one copy of this document with original signatures of the Department and the person who undertook the remediation.

Name: (Print Name)	
Signature	
Title: (Print Title)	
Dated:	

#### NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION -

Name: Mark J. Pedersen, Bureau Chief

Bureau of Risk Management, Initial Notice, and Case Assignment

Signature:

Dated:

**NOTICES** 

#### ISRA Specific - RCRA Situations

Please be advised that this No Further Action Determination does not cover the product/waste storage areas, which include aboveground storage tanks, the Waste Water Pretreatment Plant, the laboratory facility, and the process By-product wastes, regulated under the Federal Resource Conservation and Recovery Act (RCRA) and currently being addressed under a RCRA Closure Plan. The environmental impact of this area was not evaluated. Please be advised that this issue has been referred to the appropriate office within the Department for further evaluation.

Thank you for your attention to these matters. If you have any questions, please contact the case manager at (609) 633-1988.

Sincerely,

Mark Pedersen Bureau Chief

Bureau of Risk Management, Initial Notice, and Case Assignment

enclosures:

c:

Dr. Jung H. Cho, Camden County Health Officer

Case Manager Russell Klotzkin, BRMINGA

ISRA CASE SUMMARY NOTICE #: <E97169 > Case Mgr: <RJW> Compliance Mgr: <</pre> CSL ID Level: 0 CEA?(Y/N): Date assigned: DER?(Y/N): Industrial Establishment: <REMTECH ENVIRONMENTAL > Historic Fill?(Y/N): aka: <CAMDEN L.P. Job Code: > Offsite GW Source?(Y/N street: 1800 Carman St munic:<CAMDEN county: CAMDEN > COMU zip: 08105 SIC: <2992> block(s): 1431 lot(s): 1 STATUS: [NFA-A ] date: 04/29/97 by: VK NFA, NFA-A, NFA-E=No Further Action, I=Initial Notice, A=Assigned, S=SI/RI Approval, E=Exempt D=Duplicate, RAW=Remedial Action WP, F=Finished RA, WD=Withdrawn, B=Compliance Referral WVR=Waiver, CMS=Case Management Strategy, SCM=State Case Management, FCM=Federal Case Management Property Owner: Agent's name: Terence J Fox Esq firm: Archer & Greiner fax:( )0 street:1 Centennial Sq city:Haddonfield, NJ zip:08033 phone: (609)354-3030 Law firm: HO: Consultant: Lab: Target dates: sign agreement/option: announce closing: finalize transfer/sale: 04/30/97 terminate operations: transaction type: S,P GIN rcvd: 04/23/97 reviewed: 09/28/97 by: RJW ok?: Y ltr sent: new info: PA rcvd: 04/23/97 reviewed: 04/28/97 by: RJW ok?: Y ltr sent: new info: FILE REVIEWS: by: ltr to mayor: contact H.O.: Other names: < comments: PRELIMINARY INSP on: by: report sent: comments: NEG DEC: rcvd: 04/23/97 susp:< > resub: denied: ok'd: 04/29/97 comment: RI/RA Report: peril? [Y/N]: Peril Cost: \$0 comment: RAW Approval: RAR latest: estimates: length {days}: RAW estimate cost: \$0 RA actual cost: \$0

RAW:

comments:

Interim Inspection Dates:

REMEDIATION FUNDING SOURCE rovd: amount: \$0 type: released:

> Surcharge: \$ 0

RA/ACO: RA RFS Amount: \$ 0 Small business?: Y

FINAL INSPECTION performed on: by:

comments: PORTION OF SITE UNDER SWMA. NOT INVESTIGATED BY ISRA.

FEES payable: notice: \$1,000 neg dec: \$500 TOTAL PAYABLE: \$1,500 Total Fee paid: \$1,500 date printed: 04/29/97

#### ENVIRONMENTAL CONCERNS TRACKING SHEET

Industrial Establishment: Remtech Er EPA ID#: Job Number:	nvironmental	ISRA Case UST #:	#: E97169
POTENTIAL SOURCES OF CONTAMINATION (I	LIST IF ANY):		
			,
COMMENTS: The PAR did not identify any areas of	f concern that require	d additional	investigation.
POTENTIAL AREAS OF ENVIRONMENTAL CONC ************************************		******	**********
Potential Pollutants (List): Sampling Required? YES or NO			
RI RESULTS:			
Remediation Required? YES or NO	If YES, remediation	under RAW App	proval? YES or NO
RA RESULTS:	•		
FINAL OUTCOME:			
"NFA" Approved: CM Initials	Date	_	

### FEE PAYSHEET

Case No: E97169 Sequence No: 61943

Company: REMTECH ENVIRONMENTAL (CAMDEN) L.P.

Date Rec: 4/23/97 Amt Rec: \$1,000.00

Check No: 002377 BAC No: Personal Check: N

Payment Code: 1

Payment Desc: Initial Notice w/o sampling plan

Transmittal No: 41106-04 Check From: REMTECH ENVIRONMENTAL

Update (Yes or No): N
Date of Last Update:

Remarks:

Refund Amount : Refund Date:

Date Entered 4/23/97 Time Entered 1:15 pm

### FEE PAYSHEET

e No: E97169

Sequence No: 62018

Company: REMTECH ENVIRONMENTAL (CAMDEN) L.P.

Date Rec: 4/29/97

Amt Rec: \$500.00

Check No: 017465

BAC No:

Personal Check: N

Payment Code: 6

Payment Desc: Negative Declaration Review

Transmittal No: 41113-07

Check From : REMTECH ENVIRONMENTAL GROUP

Update (Yes or No): N

Date of Last Update:

Remarks:

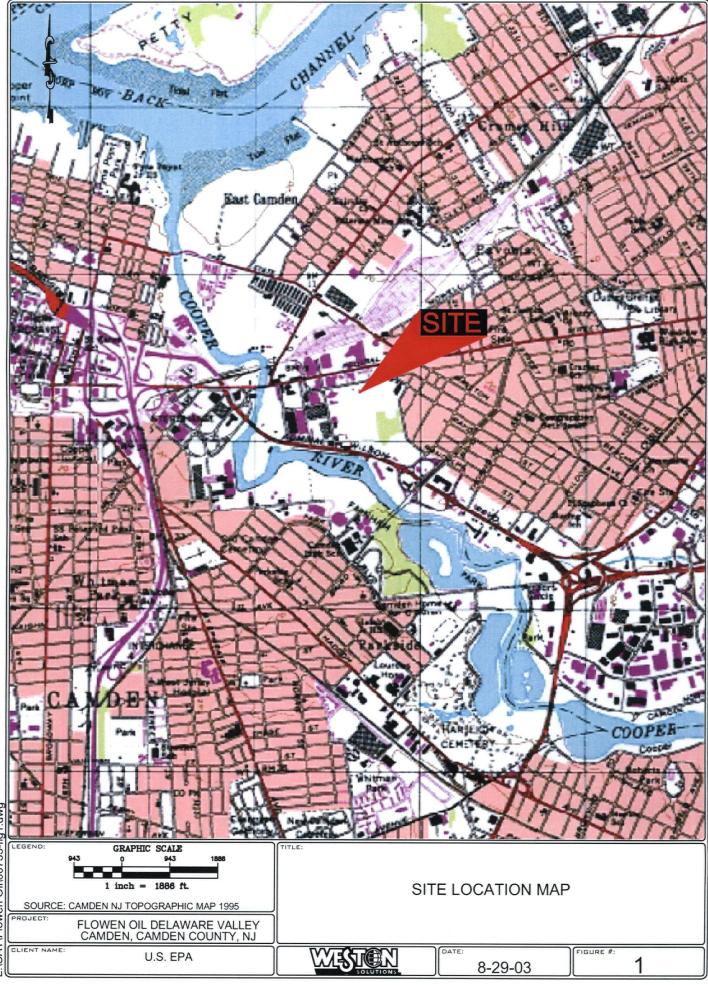
Refund Amount :

Date Entered 4/29/97

Refund Date:

Time Entered 1:28 pm

### Reference No. 8



.:\SAT\Flowen Oil\00735-fig1.dwg

### Reference No. 9



Photograph No. 1 Monitoring Well #2 – Northwest Side of Site by the Gate



Photograph No. 2
Incoming Waste Storage Tanks – North Side of Site by the Gate



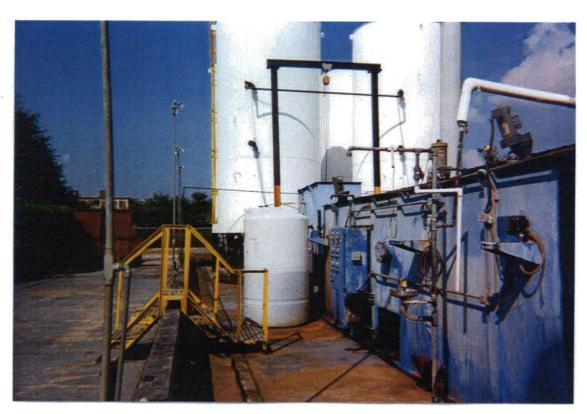
Photograph No. 3 Finished Product Tanks – South Central Portion of Site



Photograph No. 4
Example of Spill Containment Channels Near the Incoming Waste Storage Tanks



Photograph No. 5 Warehouse Space Constructed by Clean Venture/Cycle Chem in 1997



Photograph No. 6 Wastewater Pretreatment System On the Southeast Side of the Site The Finished Product Tanks are in the background.

### Reference No. 10

### PROJECT NOTE

Roy F. Weston

To: Flowen Oil File

**Date:** 8/1/2001

Page: 1 of 1

From: William H. Morrison

Subject: Well Population Apportionment

William Morrison of Region II SAT has calculated well population apportionment of the 4-mile radius centered on the Flowen Oil site.

Distance Ring (Mi	Water Source	Population Served	Population per Ring
0 - 1/4	None Identified	0	0
> 1/4 - ½	None Identified	0	0
> ½ - 1	None Identified	0	0
>1-2	Merchantville/Pennsauken Water Co. Collingswood Water Department	7503 15521	23024
> 2 - 3	Merchantville/Pennsauken Water Co. Collingswood Water Department	10004 4479	14483
> 3 - 4	Gloucester City Water Department Camden City Water Department Merchantville/Pennsauken Water Co. Haddon Township Water Department	12500 37800 5002 10452	65754

The total number of people supplied with water from wells within 4 miles of the Flowen Oil site is 103261.

### **Public and Domestic Water Supply Within 4-miles**

	Site Latitude:	39 56' 35"	Lat. Dec. Degrees(y):	39.9430555			
	Site Longitude:	75 05' 53"	Long. Dec. Degrees(x):	75.0980555			
Well Name	Well ID	Latitude	Longitude	Water Use	Population	Depth (ft)	Distance (mi)
Merchantville Pennsauken WC	Well 3A	395630	750410	MUA	2501	140	1.51
Merchantville Pennsauken WC	Browning Rd Well 1A	395623	750408	MUA	2501	. 110	1.55
Merchantville Pennsauken WC	Browning Rd Well 2A	395626	750406	MUA	2501	110	1.57
Collingswood Water Department	Well 5	395527	750427	MUA	13046	290	1.81
Collingswood Water Department	Well 4	395521	750434	MUA	2142	260	1.83
Collingswood Water Department	Well 3	395522	750431	MUA	319	275	1.84
Collingswood Water Department	Well 1	395515	750438	MUA	7	250	1.89
Collingswood Water Department	Well 2	395518	750432	MUA	7	260	1.89
Merchantville Pennsauken WC	Del. Gdns. Well 1	395758	750416	MUA	2501	110	2.13
Merchantville Pennsauken WC	Del. Gdns. Well 2	395755	750410	MUA	2501	110	2.15
Merchantville Pennsauken WC	Woodbine Av Well 2	395650	750317	MUA	2501	245	2.30
Merchantville Pennsauken WC	Woodbine Av Well 1	395650	750312	MUA	2501	245	2.37
Collingswood Water Department	Well 7	395426	750515	MUA	4479	313	2.54
Gloucester City WD	Well 41	395359	750653	MUA	1250	265	3.12
Camden City Water Department	Delair Well 1	395847	750348	MUA	5400	138	3.12
Merchantville Pennsauken WC	Marion Av. Well 1	395719	750223	MUA	2501	242	3.18
Merchantville Pennsauken WC	Marion Av. Well 2	395711	750220	MUA	2501	223	3.19
Gloucester City WD	Well 40	395350	750650	MUA	1250	264	3.27
Gloucester City WD	Well 43	395345	750653	MUA	5000	261	3.38
Gloucester City WD	Well 42	395343	750651	MUA	5000	266	3.41
Camden City Water Department	Morris Well 13	395905	750336	MUA	5400	130	3.51
Haddon Twp. Water Department	Well 4A	395406	750334	MUA	2613	450	3.51
Camden City Water Department	Morris Well 11	395901	750325	MUA	5400	144	3.54
Camden City Water Department	Morris Well 6	395900	750318	MUA	5400	133	3.59
Haddon Twp. Water Department	Well 1A	395407	750320	MUA	2613	480	3.61
Camden City Water Department	Morris Well 12	395910	750330	MUA	5400	95	3.64
Haddon Twp. Water Department	Well 2A	395403	750322	MUA	2613	473	3.66
Haddon Twp. Water Department	Well 3A	395401	750319	MUA	2613	473	3.71
Camden City Water Department	Morris Well 7	395909	750315	MUA	5400	120	3.75
Camden City Water Department	Morris Well 8	395911	750307	MUA	5400	124	3.85
NJ American Water Co.	Well 66-Murray Ave	395534	750135	MUA	5334	354	3.95
Note: Population served based on the distance					0-1/4	0	
DOM - domestic, well owned by private residents				of wells from the site (miles):		1/4-1/2	0
MUA - Municipal Utilities Authority, well owned						1/2-1	0
by local government agency	Zini.					1-2	23024
						2-3	14483

Total population served by wells:

65754 108595

### TELECON NOTE

Roy F. Weston

W. O. NO.:

20103-001-001-0015-00

DATE:

8/1/2001

**TIME:** 11:35 AM

**DISTRIBUTION:** Flowen Oil

**BETWEEN:** James Stevenson

**OF:** Haddon Township Water Department

**PHONE:** 856-854-1825

AND: William H. Morrison

Subject: Well Information

William Morrison of Region II SAT spoke with James Stevenson of the Haddon Township Water Department regarding the Township's potable wells. Mr. Stevenson stated that there are 3900 service connections on 4 wells. None of the wells serve > 40% of the population. The wells are all within 450-480 feet deep. Well 4 is closed, replaced by 4A. Well 4A is within 100 feet of Well 4. Well 4 was not closed for contamination reasons.

Based on this information, the well population apportionment was calculated. There are 3900 service connections in Haddon Township. According to the 2000 US Census data, there are 2.68 persons per household in Camden County.

(3900 Service Connections) X (2.68 persons per household) = 10452 customers served by Haddon Township Wells.

As none of the wells supplies > 40% of the water, the population was divided equally amoung the 4 wells.

(10452 Customers) = 2613 Customers served by each well 4 Wells PSW.DAT revision: 643,984 04-21-99 3:52P

Search conducted: 07-11-2001 14:23:59 Search radius: 21120 feet Chosen search parameters were NAD27 geographic coordinates Location entered: Latitude: 39°56'35" Longitude: 75°5'53" Easting: 324556.218 Northing: 404775.522

Distance: 7760 ft Permit #: 31-00013

Owner: Camden City Water Dept

Well Name: City Well 6

Address: Ninth St & Jackson St Operational status: Inactive

Latitude: 39°55'28.37" Longitude: 75°6'42.331" Easting: 320667.970 ft Northing: 398059.950 ft

Confinement Status: Unconfined

Distance: 9996 ft Permit #: 31-00079

Owner: Collingswood Water Dept

Well Name: Well 1

Address: Hillcrest Ave & Maple St Operational status: Operational

Latitude: 39°55'14.795" Longitude: 75°4'38.071" Easting: 330339.679 ft Northing: 396622.033 ft

Confinement Status: Unconfined

Distance: 19160 ft Permit #: 31-00431

Owner: Haddon Twp Water Dept

Well Name: Well 1 Address: MacArthur Ave Operational status: Operational

Latitude: 39°54'6.694" Longitude: 75°3'20.094" Easting: 336372.030 ft Northing: 389693.190 ft

Confinement Status: Unknown

Distance: 4051 ft Permit #: 31-00904

Owner: Camden City Water Dept Well Name: Parkside Well 13

Address: Kaighns Ave & Euclid Ave

Operational status: Inactive

Latitude: 39°55'57.24" Longitude: 75°5'35.705" Easting: 325877.870 ft Northing: 400945.990 ft

Confinement Status: Unconfined

Distance: 20418 ft Permit #: 31-00944

Owner: Camden City Water Dept

Well Name: Morris Well 8 Address: South Well Field Operational status: Operational

Latitude: 39°59'11.188" Longitude: 75°3'6.954" Easting: 337586.220 ft Northing: 420495.360 ft

Confinement Status: Unconfined

Distance: 5167 ft Permit #: 31-01250

Owner: Camden City Water Dept Well Name: Parkside Well 17 Address: Vesper Blvd & Park Blvd

Operational status: Inactive

Latitude: 39°55'46.16" Longitude: 75°5'33.606" Easting: 326033.880 ft Northing: 399823.850 ft

Confinement Status: Unconfined

Distance: 11364 ft Permit #: 31-01417

Owner: Merchantville Pennsauken Water Comm

Well Name: Delaware Gardens Well 2 Address: River Rd & Tinsman Ave Operational status: Operational

Latitude: 39°57'54.81" Longitude: 75°4'10.332" Easting: 332603.926 ft Northing: 412798.322 ft

Confinement Status: Unconfined

Distance: 19699 ft Permit #: 31-02146

Owner: Haddon Twp Water Dept

Well Name: Well 3 Address: Roads Ave

Operational status: Operational

Latitude: 39°54'.866" Longitude: 75°3'18.54" Easting: 336489.480 ft Northing: 389102.770 ft

Confinement Status: Unknown

Distance: 16956 ft Permit #: 31-02915

Owner: Merchantville Pennsauken Water Comm

Well Name: Marion Ave Well 1

Address: 6950 Marion Ave Operational status: Operational

Latitude: 39°57'19.162" Longitude: 75°2'22.974" Easting: 340940.936 ft Northing: 409139.673 ft

Confinement Status: Unconfined

Distance: 5612 ft Permit #: 31-03456

Owner: NJ American Water Co

Well Name: Well 50 Address: Hayes Ave

Operational status: Operational

Latitude: 39°57'24.343" Longitude: 75°5'20.105" Easting: 327151.180 ft Northing: 409751.030 ft

Confinement Status: Unconfined

Distance: 9973 ft Permit #: 31-04053

Owner: Collingswood Water Dept

Well Name: Well 2

Address: Hillcrest & Highland Aves Operational status: Operational

Latitude: 39°55'18.455" Longitude: 75°4'32.34" Easting: 330788.516 ft Northing: 396989.478 ft

Confinement Status: Unconfined

Distance: 9772 ft Permit #: 31-04054

Owner: Collingswood Water Dept

Well Name: Well 3

Address: Hillcrest & Highland Aves Operational status: Operational

Latitude: 39°55'22.058" Longitude: 75°4'30.777" Easting: 330912.674 ft Northing: 397353.286 ft

Confinement Status: Unconfined

Distance: 17310 ft Permit #: 31-04306

Owner: Gloucester City Water Dept

Well Name: Well 40 Address: Johnson Blvd

Operational status: Operational

Latitude: 39°53'49.699" Longitude: 75°6'50.262" Easting: 319981.534 ft Northing: 388080.677 ft

Confinement Status: Unconfined

Distance: 5689 ft Permit #: 31-04620

Owner: Our Lady of Lourdes Hospital

Well Name: Well 1

Address: 1600 Haddon Ave Operational status: Operational

Latitude: 39°55'39.395" Longitude: 75°5'42.158" Easting: 325363.188 ft Northing: 399143.844 ft

Confinement Status: To be determined

Distance: 16976 ft Permit #: 31-04641

Owner: Merchantville Pennsauken Water Comm

Well Name: Marion Ave Well 2

Address: Rudderow Ave & Bethel Ave

Operational status: Operational

Latitude: 39°57'10.523" Longitude: 75°2'19.969" Easting: 341169.716 ft Northing: 408264.080 ft

Confinement Status: Confined

Distance: 12650 ft Permit #: 31-04642

Owner: Merchantville Pennsauken Water Comm

Well Name: Woodbine Ave Well 1 Address: Woodbine Ave & Victoria Ave

Operational status: Operational

Latitude: 39°56'50.019" Longitude: 75°3'11.759" Easting: 337123.769 ft Northing: 406214.214 ft

Confinement Status: Confined

Distance: 5898 ft Permit #: 31-04780

Owner: NJ American Water Co

Well Name: Well 51 Address: 31st St

Operational status: Operational

Latitude: 39°57'22.213" Longitude: 75°5'8.582" Easting: 328046.973 ft Northing: 409529.651 ft

Confinement Status: Unconfined

Distance: 13366 ft Permit #: 31-04797

Owner: Collingswood Water Dept

Well Name: Well 7

Address: Comly Ave

Operational status: Operational

Latitude: 39°54'26.146" Longitude: 75°5'15.222" Easting: 327412.854 ft Northing: 391718.620 ft

Confinement Status: Unconfined

Distance: 13334 ft Permit #: 31-04799

Owner: Collingswood Water Dept

Well Name: Well 6 Address: Cattel Ave

Operational status: Operational

Latitude: 39°54'27.732" Longitude: 75°5'8.576" Easting: 327931.780 ft Northing: 391875.720 ft

Confinement Status: Unconfined

Distance: 8383 ft Permit #: 31-04836

Owner: Merchantville Pennsauken Water Comm

Well Name: Browning Rd Well 2A Address: Frosthoffer Ave & Walton Ave

Operational status: Operational

Latitude: 39°56'26.153" Longitude: 75°4'5.992" Easting: 332884.848 ft Northing: 403825.899 ft

Confinement Status: Unconfined

Distance: 4935 ft Permit #: 31-04847

Owner: NJ American Water Co

Well Name: Well 52 Address: Cleveland Ave

Operational status: Operational

Latitude: 39°57'15.399" Longitude: 75°5'17.508" Easting: 327347.455 ft Northing: 408844.741 ft

Confinement Status: Unconfined

Distance: 18548 ft Permit #: 31-04855

Owner: Haddon Twp Water Dept

Well Name: Well 4

Address: MacArthur Blvd Operational status: Operational

Latitude: 39°54'6.406" Longitude: 75°3'33.577" Easting: 335321.141 ft Northing: 389670.450 ft

Confinement Status: Confined

Distance: 16496 ft Permit #: 31-04903

Owner: Gloucester City Water Dept

Well Name: Well 41 Address: Johnson Blvd

Operational status: Operational

Latitude: 39°53'58.714" Longitude: 75°6'53.289" Easting: 319751.866 ft Northing: 388994.505 ft

Confinement Status: Unconfined

Distance: 11335 ft Permit #: 31-05228

Owner: Merchantville Pennsauken Water Comm

Well Name: Delaware Gardens Well 1

Address: River Rd & 49th St Operational status: Operational

Latitude: 39°57'58.499" Longitude: 75°4'15.961" Easting: 332168.021 ft Northing: 413174.424 ft

Confinement Status: Unconfined

Distance: 17993 ft Permit #: 31-05242

Owner: Gloucester City Water Dept

Well Name: Well 42 Address: Nicholson Dr

Operational status: Operational

Latitude: 39°53'42.912" Longitude: 75°6'51.201" Easting: 319903.582 ft Northing: 387394.534 ft

Confinement Status: Unconfined

Distance: 19165 ft Permit #: 31-05243

Owner: Haddon Twp Water Dept

Well Name: Well 1A Address: MacArthur Blvd Operational status: Operational

Latitude: 39°54'6.661" Longitude: 75°3'20.04" Easting: 336376.252 ft Northing: 389689.811 ft

Confinement Status: Confined

Distance: 17215 ft Permit #: 31-05450

Owner: Camden City Water Dept Well Name: Puchack Well 6 Address: Velde Ave (End)
Operational status: Operational

Latitude: 39°58'29.804" Longitude: 75°3'9.838" Easting: 337335.800 ft Northing: 416309.410 ft

Confinement Status: Unconfined

Distance: 8246 ft Permit #: 31-05641

Owner: Merchantville Pennsauken Water Comm

Well Name: Browning Rd Well 1A Address: 4400 Frosthoffer Ave Operational status: Operational

Latitude: 39°56'23.223" Longitude: 75°4'8.246" Easting: 332707.399 ft Northing: 403530.613 ft

Confinement Status: Unconfined

Distance: 18004 ft Permit #: 31-08526/A

Owner: Camden City Water Dept Well Name: Puchack Well 7

Address: Maintenance Rd & Windsor Ave

Operational status: Operational

Latitude: 39°58'36.197" Longitude: 75°3'3.719" Easting: 337816.170 ft Northing: 416953.360 ft

Confinement Status: Unconfined

Distance: 4609 ft Permit #: 31-09574

Owner: Camden City Water Dept Well Name: Parkside Well 18 Address: Euclid Ave & Park Blvd

Operational status: Inactive

Latitude: 39°55'50.949" Longitude: 75°5'37.948" Easting: 325698.900 ft Northing: 400310.720 ft

Confinement Status: Unconfined

Distance: 12232 ft Permit #: 31-14563

Owner: Merchantville Pennsauken Water Comm

Well Name: Woodbine Ave Well 2 Address: Woodbine Ave & Victoria Ave

Operational status: Operational

Latitude: 39°56'49.533" Longitude: 75°3'17.084" Easting: 336708.781 ft Northing: 406167.621 ft

Confinement Status: Confined

Distance: 18728 ft Permit #: 31-15745

Owner: Camden City Water Dept Well Name: Morris Well 11 Address: South Well Field Operational status: Operational

Latitude: 39°59'1.149" Longitude: 75°3'25.397" Easting: 336144.370 ft Northing: 419488.490 ft

Confinement Status: Unconfined

Distance: 18561 ft Permit #: 31-16813

Owner: Camden City Water Dept Well Name: Morris Well 13 Address: South Well Field Operational status: Operational

Latitude: 39°59'4.867" Longitude: 75°3'35.52" Easting: 335358.770 ft Northing: 419869.670 ft

Confinement Status: Unconfined

Distance: 19205 ft Permit #: 31-16814

Owner: Camden City Water Dept Well Name: Morris Well 12 Address: South Well Field Operational status: Operational

Latitude: 39°59'9.9" Longitude: 75°3'30.446" Easting: 335756.870 ft Northing: 420376.430 ft

Confinement Status: Unconfined

Distance: 17803 ft Permit #: 31-18822

Owner: Gloucester City Water Dept

Well Name: Well 43 Address: Johnson Blvd

Operational status: Operational

Latitude: 39°53'45.294" Longitude: 75°6'53.309" Easting: 319740.969 ft Northing: 387636.599 ft

Confinement Status: Unconfined

Distance: 7140 ft Permit #: 31-18944

Owner: NJ American Water Co

Well Name: Well 54

Address: 34th St

Operational status: Operational

Latitude: 39°57'31.311" Longitude: 75°4'57.746" Easting: 328896.864 ft Northing: 410444.673 ft

Confinement Status: Unconfined

Distance: 6649 ft Permit #: 31-18947

Owner: NJ American Water Co

Well Name: Well 53 Address: Bergen St

Operational status: Operational

Latitude: 39°57'27.691" Longitude: 75°5'1.986" Easting: 328564.216 ft Northing: 410080.506 ft

Confinement Status: Unconfined

Distance: 5279 ft Permit #: 31-20270

Owner: NJ American Water Co

Well Name: Well 55 Address: Cleveland Ave

Operational status: Operational

Latitude: 39°57'17.664" Longitude: 75°5'13.981" Easting: 327623.560 ft Northing: 409072.151 ft

Confinement Status: Unconfined

Distance: 19688 ft Permit #: 31-28896

Owner: Haddon Twp Water Dept

Well Name: Well 3A Address: Beechwood Ave Operational status: Operational

Latitude: 39°54'.862" Longitude: 75°3'18.763" Easting: 336472.156 ft Northing: 389102.478 ft

Confinement Status: Confined

Distance: 19364 ft Permit #: 31-29099

Owner: Haddon Twp Water Dept

Well Name: Well 2A Address: Beechwood Ave Operational status: Operational

Latitude: 39°54'3.025" Longitude: 75°3'21.942" Easting: 336225.717 ft Northing: 389322.843 ft

Confinement Status: Confined

Distance: 21049 ft Permit #: 31-40911

Owner: NJ American Water Co Well Name: Murray Ave Well 66

Address: Murray Ave

Operational status: Operational

Latitude: 39°55'33.986" Longitude: 75°1'34.666" Easting: 344640.115 ft Northing: 398475.502 ft

Confinement Status: Unknown

Distance: 8028 ft Permit #: 31-43933

Owner: Merchantville Pennsauken Water Comm

Well Name: Well 3A

Address: Frosthoffer Ave & Roosevelt Ave

Operational status: Operational

Latitude: 39°56'30.172" Longitude: 75°4'10.119" Easting: 332565.970 ft Northing: 404234.618 ft

Confinement Status: Unknown

Distance: 9673 ft Permit #: 51-00030

Owner: Collingswood Water Dept

Well Name: Well 4

Address: No Vineyard & Highland Aves

Operational status: Operational

Latitude: 39°55'20.963" Longitude: 75°4'34.435" Easting: 330626.937 ft Northing: 397244.317 ft

Confinement Status: Unconfined

Distance: 9628 ft Permit #: 51-00031

Owner: Collingswood Water Dept

Well Name: Well 5

Address: So Park Dr & Cooper River

Operational status: Operational

Latitude: 39°55'26.668" Longitude: 75°4'26.986" Easting: 331210.978 ft Northing: 397817.827 ft

Confinement Status: Unconfined

Distance: 19018 ft Permit #: 51-00051

Owner: Camden City Water Dept

Well Name: Morris Well 6

Address: South Well Field Operational status: Operational

Latitude: 39°59'.43" Longitude: 75°3'18.258" Easting: 336699.610 ft Northing: 419412.280 ft

Confinement Status: Unconfined

Distance: 19903 ft Permit #: 51-00052

Owner: Camden City Water Dept

Well Name: Morris Well 7 Address: South Well Field Operational status: Operational

Latitude: 39°59'9.493" Longitude: 75°3'14.78" Easting: 336976.000 ft Northing: 420327.580 ft

Confinement Status: Unconfined

Distance: 16531 ft Permit #: 51-00053

Owner: Camden City Water Dept

Well Name: Delair Well 1

Address: DeRousse Blvd & Adams Ave

Operational status: Operational

Latitude: 39°58'47.025" Longitude: 75°3'47.939" Easting: 334380.670 ft Northing: 418070.490 ft

Confinement Status: Unconfined

Distance: 16587 ft Permit #: 51-00054

Owner: Camden City Water Dept

Well Name: Delair Well 2

Address: DeRousse Blvd & Delaware River

Operational status: Operational

Latitude: 39°58'50.574" Longitude: 75°3'53.241" Easting: 333970.240 ft Northing: 418432.180 ft

Confinement Status: Unconfined

Distance: 16971 ft Permit #: 51-00055

Owner: Camden City Water Dept

Well Name: Delair Well 3

Address: Mt Vernon Ave & Betsy Ross Bridge

Operational status: Operational

Latitude: 39°58'52.777" Longitude: 75°3'48.692" Easting: 334325.760 ft Northing: 418652.820 ft

Confinement Status: Unconfined

Distance: 17920 ft Permit #: 51-00056

Owner: Camden City Water Dept Well Name: Puchack Well 1 Address: Delair Ave & River Rd Operational status: Operational

Latitude: 39°58'44.126" Longitude: 75°3'15.483" Easting: 336905.400 ft Northing: 417761.320 ft

Confinement Status: Unconfined

Distance: 18045 ft Permit #: 51-00057

Owner: Camden City Water Dept Well Name: Puchack Well 2

Address: Maintenance Rd & Betsy Ross Bridge

Operational status: Operational

Latitude: 39°58'42.151" Longitude: 75°3'10.492" Easting: 337292.620 ft Northing: 417559.020 ft

Confinement Status: Unconfined

Distance: 18045 ft Permit #: 51-00058

Owner: Camden City Water Dept Well Name: Puchack Well 3 Address: Maintenance Rd Operational status: Operational

Latitude: 39°58'39.35" Longitude: 75°3'6.871" Easting: 337572.770 ft Northing: 417273.890 ft

Confinement Status: Unconfined

Distance: 10553 ft Permit #: 51-00060

Owner: Camden City Water Dept

Well Name: City Well 7

Address: Florence St & Ninth St Operational status: Operational

Latitude: 39°54'57.091" Longitude: 75°6'39.682" Easting: 320852.650 ft Northing: 394893.810 ft

Confinement Status: Unconfined

Distance: 9046 ft Permit #: 51-00061

Owner: Camden City Water Dept

Well Name: City Well 11

Address: 9th St & Ferry Ave Operational status: Standby

Latitude: 39°55'13.086" Longitude: 75°6'39.526" Easting: 320875.910 ft Northing: 396512.060 ft

Confinement Status: Unconfined

Distance: 19580 ft Permit #: 51-00076

Owner: Camden City Water Dept

Well Name: Morris Well 9 Address: South Well Field Operational status: Inactive

Latitude: 39°59'4.403" Longitude: 75°3'13.168" Easting: 337098.290 ft Northing: 419811.790 ft

Confinement Status: Unconfined

Distance: 6113 ft Permit #: 97-04069

Owner: KATIE OBRIEN'S Well Name: KATIE OBRIEN'S Address: 427 CRYSTAL LAKE AVE

Operational status: Unknown

Latitude: 39°56'12.462" Longitude: 75°4'40.187" Easting: 330212.500 ft Northing: 402457.750 ft

Confinement Status: To be determined

Distance: 18029 ft Permit #: 97-04070

Owner: VITO FRUGGIERO

Well Name: THE RED BARN BOOK STORE

Address: 600 CRESCENT BLVD. Operational status: Unknown

Latitude: 39°53'37.394" Longitude: 75°6'11.632" Easting: 322983.844 ft Northing: 386815.313 ft

Confinement Status: To be determined

Distance: 20033 ft Permit #: 97-04076 Owner: PENNZOIL

Well Name: JIFFY LUBE PENNSAUKEN Address: 6917 S. CRESCENT BLVD.

Operational status: Unknown

Latitude: 39°54'.187" Longitude: 75°3'12.714" Easting: 336943.063 ft Northing: 389031.281 ft

Confinement Status: To be determined

End of search; 58 wells found.

	191		•				TOP	вотто	)						
	•						OF	M OF						USE	
				•			OPEN	OPEN	CASING				USE	OF	
				COU	•		INTER	INTER	MATERIA	LATITUD	LONGITU		OF	WAT	NJ PERMIT
NJ UID	SITE-ID	LOCAL WELL NUMBER	TOWNSHIP	NTY	AQUIFER	DEPTH	VAL	VAL	L	E	DE	DATUM	SITE	ER	NUMBER
070002	395327075052401	PSEGC 1	AUDUBON BORO	007	211MRPAU	130	120	130		395327	0750524	NAD27	W	N	31-00824
070027	395427075060601	WATER WORKS T1	CAMDEN CITY	007 `	211MRPAL	300	247	300		395427	0750606	NAD27	Т	U	
070028	395435075072001		CAMDEN CITY	007	211MRPA	124	50	124		395435	0750720	NAD27	w	N	31-02477
070029	395435075072005		CAMDEN CITY	007	211MRPAL	220	189	220		395435	0750720	NAD27	W	N	31-03905
070030	-	NY SHIP 5A/SEALED	CAMDEN CITY	007	211MRPAU	104	- 87	104		395447	0750711	NAD27	Z	U	
070031	395447075071102	NY SHIPBLDG 4	CAMDEN CITY	007	211MRPAM	128	98	128		395447	0750711	NAD27	W	N	
070032	395447075071103		CAMDEN CITY	007	211MRPAL	205				395447	0750711	NAD27	w	N	
070032	395447075071103		CAMDEN CITY	007	211MRPAL	205	154	165		395447	0750711	NAD27	w	N	
070032	395447075071103		CAMDEN CITY	007	211MRPAL	205	195	205		395447	0750711	NAD27	W	N	
070033	395447075071104		CAMDEN CITY	007	211MRPAU	131	81	131		395447	0750711	NAD27	Ü		
070034	395449075071601		CAMDEN CITY	007	211MRPAL	225	199	266		395449	0750716	NAD27	w	N	
070035	395449075071602		CAMDEN CITY	007	211MRPAM	104				395449	0750716	NAD27	w	N	
070035	395449075071602		CAMDEN CITY	007	211MRPAM	104	74	104		395449	0750716	NAD27	w	N	
070036	395449075071603		CAMDEN CITY	007	211MRPAM	119	89	99		395449	0750716	NAD27	w	N	
070036	395449075071603		CAMDEN CITY	007	211MRPAM	119	104	119		395449	0750716	NAD27	w	N	
070037	395449075071604		CAMDEN CITY	007	211MRPAL	223	190	224		395449	0750716	NAD27	w	N	
070038		NY SHIP 7/SEALED	CAMDEN CITY	007	211MRPAL	229	188	229		395455	0750716	NAD27	Z	Ü	
070039	395457075064001		CAMDEN CITY	007	211MRPAM	163	123	163		395457	0750640	NAD27	w	P	51-00060
070040	395457075064101		CAMDEN CITY	007	211MRPAM	160	126	165		395457	0750641	NAD27	ż	U	0.00000
070041	395457075064102		CAMDEN CITY	007	211MRPAM	164				395457	0750641	NAD27	w	Ü	
070041	395457075064102		CAMDEN CITY	007	211MRPAM	164	124	162		395457	0750641	NAD27	w	Ü	
070041	395457075064102		CAMDEN CITY	007	211MRPAM	164	126	164		395457	0750641	NAD27	w	Ü	
070041	395502075065501	-	CAMDEN CITY	007	211MRPA	180				395502	0750655	NAD27	w ·	N	
070042	395507075072901	·	CAMDEN CITY	007	211MRPAM	103	82	103		395507		NAD27	w		31-00290
070044	395508075070201		CAMDEN CITY	007	211MRPA					395508		NAD27	w	N	01 00200
070045	395508075070202		CAMDEN CITY	007	211MRPA					395508		NAD27	w	N	
070046	395512075064001		CAMDEN CITY	007	211MRPAM	154		:		395512	0750640	NAD27	w	P	
070046	395512075064001		CAMDEN CITY	007	211MRPAM	154	124	154		395512		NAD27		•	51-00061
070047		SEWAGE PLANT 1	CAMDEN CITY	007	211MRPAL	193		1.		395524		NAD27		U	0,00001
070047		SEWAGE PLANT 1	CAMDEN CITY	007	211MRPAL	193		: :		395524		NAD27	-	Ü	
070047		SEWAGE PLANT 1	CAMDEN CITY	007	211MRPAL	193	163	193		395524		NAD27	-	ŭ .	
070047	395527075064601		CAMDEN CITY	007	211MRPAM	136				395527		NAD27	-	Ü	
070048	395527075064601		CAMDEN CITY	007	211MRPAM	136	111	135		395527		NAD27		-	31-00013
070048		CITY 6-1928/SEALED	CAMDEN CITY	007	211MRPA	135				395527		NAD27		Ü	01-00013
070049	395528075053801	0111 0-1320/0EAEES	Feb-50 CAMDEN CITY	007	211MRPAM	131	111	131		395528		NAD27		-	31-00111
070050	395530075071901	EVRSN I VRNG 5	CAMDEN CITY	007	211MRPA	203						NAD27		N	51-00111
070051	395530075071901		CAMDEN CITY	007	211MRPA							NAD27		N	
070052	395532075071901		CAMDEN CITY	007	211MRPA			:				NAD27		N	
070053	395532075071901		CAMDEN CITY	007	211MRPAL	171	145	171				NAD27		N	
070054	395534075072401		CAMDEN CITY	007	211MRPA	170		: '''				NAD27		N	
070056	395534075072402		CAMDEN CITY	007	211MRPA		-					NAD27 NAD27		N N	
070056	395539075054101		CAMDEN CITY	007	211MRPAL	258	237	258				NAD27			31-04620
070057		W JERSEY HOSP1/SEAL	: : :	007	211MRPAM	140	119	140							31-03689
070000	3933380 <i>1</i> 3063001	W JERGET HOSE HOEAL	LD OAMBLIGOTT	001	2			, ,,		000000	0.00000	INAUZI	_	٠,	1-03009

													,			
070059	395540075074201	CITY 8/SEALED		CAMDEN CITY	200	-	044140004	475	;					_		
070061	395541075062201			CAMDEN CITY	00		211MRPA 211MRPAM	175	404	450	395540	0750742		Z	U	
070062	395541075062202			CAMDEN CITY	00.			156	131 :	156	395541	0750622	NAD27	W	U	
070062	395541075062202			CAMDEN CITY	00.		211MRPAM	156	1		395541	0750622	NAD27	W	U	
070062	395541075062202			CAMDEN CITY	00.		211MRPAM	156	405	450	395541	0750622	NAD27	W	U	
070063		CITY 4-1922/SEALED		CAMDEN CITY	001		211MRPAM	156	125	156	395541	0750622	NAD27	W	U	
070064	395546075053301			CAMDEN CITY	007		211MRPA	205			395541	0750622	NAD27	Z	U	
070064	395546075053301				007		211MRPAL	265			395546	0750533	NAD27	W	Р	
070064	395546075053301			CAMPEN CITY	007		211MRPAL	265			395546	0750533	NAD27	W	Р	
070065	395550075072901			CAMPEN CITY	007		211MRPAL	265	230	265	395546	0750533	NAD27	W	Ρ	31-01250
070065	395550075072901			CAMPEN CITY	007		211MRPAL	136			395550	0750729	NAD27	z	U	
070065	395550075072901			CAMDEN CITY	007		211MRPAL	136			395550	0750729	NAD27	Z	U	
070066	395550075072902			CAMDEN CITY	007		211MRPAL	136	111	132	395550	0750729	NAD27	Z	U	31-00941
070067	395551075072501			CAMDEN CITY	007		211MRPA	182			395550	0750729	NAD27	Z	U	
070068	395552075053501			CAMDEN CITY	Q07		211MRPAL	146	120	146	395551	0750725	NAD27	W	N	
070068	395552075053501			CAMDEN CITY	007		211MRPAL	225			395557	0750535	NAD27	W	Ρ	
070068				CAMDEN CITY	. 007		211MRPAL	225			395557	0750535	NAD27	W	Ρ	
070069	395552075053501			CAMDEN CITY	007		211MRPAL	225	185	225	395557	0750535	NAD27	W	Ρ	31-00904
070009		14-COKE PLANT/SEALED		CAMDEN CITY	007		211MRPAL	146	120	146	395554	0750747	NAD27	Z	U	31-00115
070070	395557075062901			CAMDEN CITY	007		211MRPAL	115			395557	0750629	NAD27	Z	U	
070070	395557075062901			CAMDEN CITY	007		211MRPAL	115	į.		395557	0750629	NAD27	z	U	
	395557075062901			CAMDEN CITY	007	' <u>.</u>	211MRPAL	115	90	115	395557	0750629	NAD27	Z	U	31-00942
070071	395557075062902			CAMDEN CITY	007	· į	211MRPA	113	į		395557	0750629	NAD27	W	U	
070072	395557075062903			CAMDEN CITY	007		211MRPA	110			395557	0750629	NAD27	W	U	
070073		PSEGC 7/SEALED		CAMDEN CITY	~ 007		211MRPAL	145	120	142	395602	0750744	NAD27	Z	U	
070074	395603075073601			CAMDEN CITY	007		211MRPAL	145	126	149	395603	0750736	NAD27	W	N	
070075		6 REPLACEMENT/SEALED	)	CAMDEN CITY	007		211MRPAL	145	118	145	395604	0750735	NAD27	z	Ü	31-01668
070076		CITY 5-1928/SEALED		CAMDEN CITY	007	:	211MRPAL	. 171	1		395616	0750632	NAD27	Z	U	
070076		CITY 5-1928/SEALED		CAMDEN CITY	007		211MRPAL	171	152	171	395616	0750632	NAD27	z	U	
070077		CITY 5-1937/SEALED		CAMDEN CITY	007		211MRPA	172			395616	0750632	NAD27	z	Ū	
070078	395615075063301			CAMDEN CITY	007		211MRPAL	169	134	169	395616	0750632	NAD27	w	P	31-04649
070079	395617075071001	CITY 12/SEALED		CAMDEN CITY	007		211MRPAL	166	136	166	395617	0750710	NAD27	Z	Р	
070080	395630075060101		lan-28	CAMDEN CITY	007		211MRPA	172			395630	0750601	NAD27	w	N	
070081		PARIS PROD REPL		CAMDEN CITY	007		211MRPAL	166	154	166	395637	0750603	NAD27	w	N	31-04687
070082	395637075063301			CAMDEN CITY	007		211MRPAM	170	138	170	395637	0750633	NAD27	w	C	31-00161
070083	395638075062201			CAMDEN CITY	007		211MRPAL	170			395638	0750622	NAD27	w	Ū	
070083	395638075062201			CAMDEN CITY	007		211MRPAL	170			395638	0750622	NAD27	w	Ü	
070083	395638075062201			CAMDEN CITY	007		211MRPAL	170	135	170	395638	0750622	NAD27	w	Ū	31-00940
070084	395638075062202			CAMDEN CITY	007		211MRPA	174			395638	0750622	NAD27	w	ŭ	0.000.0
070085		STANLEY THEATR		CAMDEN CITY	007		211MRPAL	138	116	138	395638	0750711	NAD27	w	Ā	31-00063
070086	395639075070401			CAMDEN CITY	007		211MRPAL	113	82	113	395639	0750704	NAD27	w	N	31-00089
070087	395640075062201			CAMDEN CITY	007		211MRPAL	168	135	168	395640	0750622	NAD27	w	Ü	31 00005
070088		CONCORD CHEM 1		CAMDEN CITY	007		211MRPA	197			395641	0750546	NAD27	w	N	
070089		ESTERBROOK OBS		CAMDEN CITY	007		211MRPA	300			395649	0750743	NAD27	ö	U	
070090	395652075060701			CAMDEN CITY	007		211MRPAL	158	126	158	395652	0750607	NAD27	w	Ü	. ,
070091	395659075061001			CAMDEN CITY	007	2	211MRPAL	146			395659	0750610	NAD27	z	U	
070092	395659075061002			CAMDEN CITY	007		211MRPAL	150		. ,	395659		NAD27	7 T	U	
070092	395659075061002			CAMDEN CITY	007	•	211MRPAL	150	129	150	395659	0750610	NAD27	Ť	U	31-00138
070093	395659075061003	CITY 9-1924/SEALED		CAMDEN CITY	007		211MRPAL	146			395659	0750610	NAD27	ż	Ü	01-00100
070093	395659075061003	CITY 9-1924/SEALED		CAMDEN CITY	007		211MRPAL	146	106	146	395659	0750610		Z	U	
					*						200003	3, 33010	. 47041	~	J	

							:	:	,					
	070094	395706075055301 CITY 16	CAMDEN CITY	007	211MRPAL	179	•	1	395706	0750553	3 NAD27	w	U	
	070094	395706075055301 CITY 16	CAMDEN CITY	007	211MRPAL	179	-		395706				_	
i I	070094	395706075055301 CITY 16	CAMDEN CITY	007	211MRPAL	179	149	179	395706				Ü	
	070095	395707075061501 CITY 14/SEALED	CAMDEN CITY	007	211MRPAL	145			395707				Ű	01-012-0
<b></b>	070095	395707075061501 CITY 14/SEALED	CAMDEN CITY	007	211MRPAL	145			395707				Ü	
70	070095	395707075061501 CITY 14/SEALED	CAMDEN CITY	007	211MRPAL	145	105	145	395707	0750615			Ü	31-00905
	070096	395711075053401 36 27TH ST OBS/SEALED	CAMDEN CITY	007	211MRPAL	202		2	395711			Z	Ü	31-00303
	070096	395711075053401 36 27TH ST OBS/SEALED	CAMDEN CITY	007	211MRPAL	202	185	195	395711	0750534		Z	Ü	
	070097	395715075051701 CAMDEN DIV 44/SEALED	CAMDEN CITY	007	211MRPAL	198	154	186	395715			z	Ü	31-00125
	070098	395715075051901 CAMDEN DIV 52	CAMDEN CITY	007	211MRPAL	200			395715			w	P	01-00125
	070098	395715075051901 CAMDEN DIV 52	CAMDEN CITY	007	211MRPAL	200	147	198	395715			w	P	31-04847
•	070099	395716075050701 KOHNSTAMM 3/SEALED	CAMDEN CITY	007	211MRPAL	136	116	136	395716	0750507		z	Ü	31-01696
	070100	395716075050702 KOHNSTAMM 4/SEALED	CAMDEN CITY	007	211MRPAL	158	133	158	395716	0750507		z	Ü	31-03784
	070101	395716075050703 KOHNSTAMM 5	CAMDEN CITY	007	211MRPAL	138	112	138	395716	0750507		w	N	31-04060
	070102	395716075060801 CITY 15/SEALED	CAMDEN CITY	007	211MRPAL	136			395716	0750608		z	Ü	01-0-000
	070102	395716075060801 CITY 15/SEALED	CAMDEN CITY	007	211MRPAL	136			395716	0750608		z	Ü	
	070102	395716075060801 CITY 15/SEALED	CAMDEN CITY	007	211MRPAL	136	116	136	395716	0750608		Z	Ü	31-01248
	070103	395718075050701 KOHNSTAMM 6	CAMDEN CITY	007	211MRPAL	183	163	184	395718	0750507		w	N	31-05064
•	070104	395718075051301 CAMDEN DIV 47/SEALED	CAMDEN CITY	007	211MRPAL	175	159	175	395718	0750513		z	Ü	31-03064
	070105	395718075071001 US GASKET 1	CAMDEN CITY	007	211MRPAL	141	131	141	395718	0750710		w	N	31-00948
	070106	395719075051701 CAMDEN DIV 45/SEALED	CAMDEN CITY	007	211MRPAL	173	143	173	395719	0750517		z	Ü	31-00348
	070107	395720075051301 CAMDEN DIV 51	CAMDEN CITY	007	211MRPAL	192			395720	0750513		w	Р	31-00132
	070107	395720075051301 CAMDEN DIV 51	CAMDEN CITY	007	211MRPAL	192	141	192	395720	0750513		w	P	31-04780
	070108	395722075051401 CAMDEN DIV 10/SEALED	CAMDEN CITY	007	211MRPAL	150			395719	0750518		z	Ü	01-04100
	070108	395722075051401 CAMDEN DIV 10/SEALED	CAMDEN CITY	007	211MRPAL	150	115	150	395719			ž	Ü	
	070109	395722075052301 CAMDEN DIV 46/SEALED	CAMDEN CITY	007	211MRPAL	178	148	178	395722	0750523		z	Ü	31-00162
	070110	395725075052101 CAMDEN DIV 49/SEALED	CAMDEN CITY	007	211MRPAL	169	137	169	395725	0750521		z	Ü	31-00102
	070111	395726075051801 CAMDEN DIV 50	CAMDEN CITY	007	211MRPAL	170	139	170	395726			w	P	31-03456
	070112	395728075052001 CAMDEN DIV 48	CAMDEN CITY	007	211MRPAL	164	122	164	395728			w	P	31-01430
	070113	395732075053201 CAMDEN DIV 27	CAMDEN CITY	007	211MRPAL	135			395732			w	P	0.01700
	070113	395732075053201 CAMDEN DIV 27	CAMDEN CITY	007	211MRPAL	135			395732			w	P	
	070113	395732075053201 CAMDEN DIV 27	CAMDEN CITY	007	211MRPAL	135	102	135	395732			w	P	
	070149	395502075022101 NJ NATGD 1/SEALED	CHERRY HILL TWP	007	211MRPAU	111	96	111	395503	0750221	NAD27	z	Ť	
	070150	395511075020201 CHERRY HILL TWP	CHERRY HILL TWP	007	211MRPAU	135	125	135	395511			w	H	
	070151	395514075021301 RACE TRACK	CHERRY HILL TWP	007	211MRPAU	158	,		395514			w	ï	51-00094
	070152	395530075030101 ELLIS 1	CHERRY HILL TWP	007	211MRPAM	168	158	168	395530		NAD27	w	N	0.0000-,
	070158	395606075014801 CHRY HLL INN 1/SEALED	CHERRY HILL TWP	007	211MRPAU	179	154	179	395606			z ·	υ	
	070159	395606075014802 CHRY HLL INN 2	CHERRY HILL TWP	007	211MRPAU	172	148	172	395606			w	ĭ	
	070160	395612075014201 RCA 1	CHERRY HILL TWP	007	211MRPAU		220		395602	0750132		w	N	
	070165	405558075020001 GARDEN ST DOM	CHERRY HILL TWP	007	211MRPA	115	109	115	395559		NAD27	w	H	31-02364
	070171	395426075051401 CWD 7(B)	COLLINGSWOOD BORO		211MRPAL	313			395426	0750514		w	 P	01-0200-7
	070171	395426075051401 CWD 7(B)	COLLINGSWOOD BORO		211MRPAL	313	224	313			NAD27	w	P	31-04797
	070172	395426075051402 CWD 6(A)	COLLINGSWOOD BORO		211MRPAL	312				0750514		w	P	31-04131
		395426075051402 CWD 6(A)	COLLINGSWOOD BORO		211MRPAL	312	218	312			NAD27	w	P	31-04799
		395428075051001 CWD 6 TEST/SEALED	COLLINGSWOOD BORO		211MRPA	306						z	Ū	31-04133
		395506075050701 DAIRY 1	COLLINGSWOOD BORO	007	211MRPAM	164	143	164			NAD27	w	N	31-01703
		395515075043601 CWD 1R	COLLINGSWOOD BORO	007	211MRPAL	306	266	306			NAD27	w	P	31-01703
		395519075043201 CWD 2R	COLLINGSWOOD BORO	,	211MRPAL	278	248	278			NAD27		P	31-04053
	070177	395521075043501 CWD 4	COLLINGSWOOD BORO	007	211MRPAL	304					NAD27		P	31-04000
				:										

			•				:							_
	)				1									
					•									
1	070177	395521075043501 CWD 4	COLLINGSWOOD BORO		211MRPAL	304	274	304	395521	0750435	NAD27	w	Р	51-00030
	070178	395522075043201 COLLINGSWOOD WD 3	COLLINGSWOOD BORO		211MRPAL	287	257	287	395522			W	Ρ	31-04054
	070179	395526075042401 CWD 5	COLLINGSWOOD BORO (		211MRPAL 211MRPAL	278			395526	0750424		W	Р	
	070179 070179	395526075042401 CWD 5 395526075042401 CWD 5	COLLINGSWOOD BORO		211MRPAL	278 278	248	278	395526			W	Р	
	070200	395315075061701 WILSON HW DOM		007	211MRPAU	112	102	112	395526 395315	0750424		W	P	51-00031
	070205	395324075073601 CORSONS FDS 3		007	211MRPAL	260	102	112	395324	0750617 0750736		W	Н	31-00886
	070205	395324075073601 CORSONS FDS 3		007	211MRPAL	260	230	250	395324	0750736		W	N	
	070206	395329075073201 CORSONS FDS 2	GLOUCESTER CITY (	007	211MRPAL	261			395329	0750732		W	N	
	070206	395329075073201 CORSONS FDS 2	GLOUCESTER CITY (	007	211MRPAL	261	231	251	395329	0750732		w	N	
	070207	395332075073401 JERSEY AVE 1		007	211MRPAL	261	230	250	395332	0750734		· w	N	
	070208	395335075073301		007	211MRPAL	240	205	240	395335	0750733	NAD27	. W	N	31-04486
	070209	395340075072801 PHIL DAIRY PRO 1		007	211MRPA	112			395340	0750728	NAD27	W	N	31-00085
•	070210	395343075065201 GCWD 42		007 007	211MRPAL	306	444	474	395343	0750652		W	₽	31-05242
	070211 070212	395345075065301 GCWD 2 395346075065101 GCWD 32		007	211MRPAM 211MRPA	171 175	141	171	395345	0750653		U	U	
	070212	395347075065101 GCWD 32		007	211MRPAL	300			395346	0750651		U	U	
	070213	395347075065101 GCWD 38		007	211MRPAL	300	279	300	395347 395347	0750651 0750651		U	U	
. •	070214	395347075065201 GCWD 33		007	211MRPAL	240		000	395347	0750651		U	U	
	070214	395347075065201 GCWD 33		007	211MRPAL	240	220	240	395347	0750652		Ü	U	
	070215	395348075065401 GCWD 37/SEALED	GLOUCESTER CITY (	007	211MRPAM	125			395348	0750654		z	Ü	
	070216	395348075065402 GCWD 30		007	211MRPAM	175			395348	0750654		Ū	Ü	
	070216	395348075065402 GCWD 30		007	211MRPAM	175	156	179	395348	0750654	NAD27	Ú	Ū	
	070217	395348075065403 GCWD 34		007	211MRPA	175			395348	0750654	NAD27	U	U	
	070218	395348075065404 GCWD 35		007	211MRPA	122			395348	0750654	NAD27	U	U	
	070219	395348075065405 GCWD 36/SEALED		007 007	211MRPAU 211MRPAL	126 262	85	126	395348	0750654	NAD27	Z	U	
	070220 070221	395349075065101 GCWD 40 395355075073801 COAST GUARD 1		007	211MRPAL	170	221 162	261 170	395349	0750651	NAD27	W	Р	31-04306
	070221	395359075065401 GCWD 41/AKA 31-27737		007	211MRPAL	266	226	266	395356 395359	0750738 0750654		0	U	
	070288	395359075032201 HTWD 3/SEALED		007	211MRPAL	469	432	469	395359	07503322	NAD27 NAD27	W	P P	31-04903
	070289	395403075032201 HTWD 2/SEALED	HADDON TWP	007	211MRPAL	470			395403	0750322	NAD27	Z Z	P.	31-02146
	070289	395403075032201 HTWD 2/SEALED	HADDON TWP	007	211MRPAL	470	439	470	395403	0750322	NAD27	z	P	31-00432
	070290	395406075031701 HTWD 1/SEALED		007	211MRPAL	468			395406	0750317		z	P	0,00402
	070290	395406075031701 HTWD 1/SEALED		007	211MRPAL	468	436	468	395406	0750317	NAD27	Z	Р	31-00431
	070291	395406075031702 HTWD 1-R/SEALED		007	211MRPAL	480			395406	0750317	NAD27	Z	,P	31-05243
	070292	395412075033801 HTWD 4		007 007	211MRPAL 211MRPAL	448	447 :	440	395406	0750332	NAD27	W	Ρ	
	070292 070293	395412075033801 HTWD 4 395416075033601 HADDON TWP HS1		007	211MRPAU	448 165	417 142	448	395406	0750332	NAD27	W	Р	31-04855
•	070294	395436075025201 DY-DEE REPL		007	211MRPAL	451	431	162 451	395416 395436	0750336	NAD27	W	ļ	31-04986
	070295	395436075025202 DY-DEE SVC 1		007	211MRPA	410	701	401	395436	0750252 0750252	NAD27 NAD27	W	N	31-05138
·	070296	395444075031601 WESTMONT		007	211MRPA	150	1		395444	0750252	NAD27	W	N C	
	070319	395627075040403 1R/BROWNING 1A	MERCHANTVILLE BORO	097	211MRPAM	152	:		395627	0750404	NAD27	W	C	
	070319	395627075040403 1R/BROWNING 1A	MERCHANTVILLE BORO	007	211MRPAM	152	132	152	395627	0750404	NAD27	W	P	31-05641
	070320	395652075030701 WOODBINE 1	MERCHANTVILLE BORO		211MRPAL	285	245	285	395652	0750307	NAD27	w	P	31-03641
	070321	395658075031201 ORISTONE DOM	MERCHANTVILLE BORO		211MRPAM	121	111 :	121	395658	0750312	NAD27	W	Н	31-03567
	070322	395358075044701 OAKLYN TEST		007 ·	211MRPAU	112	101 :	112	395359	0750445	NAD27	o	Ü	31-04283
	070323	395608075042601 STEVENS 1	•	007 : 607	211MRPAU	84	74	84	395608	0750438	NAD27	W	Н	31-02639
	070324	395610075051201 GORDON 1-1949		007 007	211MRPAL 211MRPAL	150 240		150	395610	0750512		W	С	31-00070
	070325	395621075040501 BROWNING RD 2/SEALE	- CHANGAOREM TAKE		ZI IWKEAL	44U	207	237	395621	0750405	NAD27	Z	U	31-03987
				ì	•		•							
2 - 2 m • - 1 m				İ										
• •					,									
0					** ]									
<i>₹</i> 2														
<b></b> &		,												
•														

070326	395627075040401 BROWNING 1/SEALED	PENNSAUKEN TWP	007	211MRPAM	137	107	137	395627	0750404	NAD27	Z	Р	31-03988
070327	395627075040402 FROSTHOFFER T1/SEALED	PENNSAUKEN TWP	007	211MRPAM	138	118	138	395627	0750404		Z	U	31-04662
070328	395628075040601 FROSTHOFFER T2/SEALED	PENNSAUKEN TWP	007	211MRPAL	224	204	224	395628	0750406	NAD27	Z	U	
070329	395628075040602 BROWNING 2A/BROWNING 1	PENNSAUKEN TWP	007	211MRPAM	140	110	140	395628	0750406	NAD27	W	Ρ	31-04836
070330	395628075040603 TEST 1956	PENNSAUKEN TWP	007	211MRPA	295			395628	0750406	NAD27	T	U	31-02603
070331	395709075034201 MILLER 1956 DOM	PENNSAUKEN TWP	007	211MRPAM	90	80	90	395709	0750342	NAD27	W	Н	31-02943
070332	395711075022001 MARION 2	PENNSAUKEN TWP	007	211MRPAL	258	223	258	395711	0750220	NAD27	W	P	31-04641
070333	395713075040501 AMON HGTS 2/SEALED	PENNSAUKEN TWP	007	211MRPAL	176	157	176	395713	0750405	NAD27	z	Ü	0.0.041
070334	395719075022501 MARION T 1/SEALED	PENNSAUKEN TWP	007	211MRPAL	312	247	268	395719	0750225	NAD27	z	Ū	31-02556
070335	395720075022501 MARION 1	PENNSAUKEN TWP	007	211MRPAL	278	:		395720	0750225		w	P	0102000
070335	395720075022501 MARION 1	PENNSAUKEN TWP	007	211MRPAL	278	243	278	395720	0750225		w	P	31-02915
070337	395737075062601 PETTY ISLAND 2	PENNSAUKEN TWP	007	211MRPAL	129			395737	0750626		T	Ü	01 02010
070338	395737075062602 PETTY   EAST 3	PENNSAUKEN TWP	007	211MRPAM	55	1		395737	0750626	NAD27	Ť	Ü	
070339	395743075044801 PREDCO PANELS 1962	PENNSAUKEN TWP	007	211MRPAL	108			395743	0750448		w	N	
070340	395752075041101 DELA GARDEN 1/SEALED	PENNSAUKEN TWP	007	211MRPAL	123			395752	0750411		z	Ü	
070341	395752075041102 DELA GARDEN 2	PENNSAUKEN TWP	007 .	211MRPAL	145	÷	-	395800	0750417		w	P	
070341	395752075041102 DELA GARDEN 2	PENNSAUKEN TWP	007	211MRPAL	145	115	145	395800	0750417		w	P	31-01417
070342	395752075041103 DELA GARDEN 1A	PENNSAUKEN TWP	007	211MRPAL	139	109	139	395756	0750411	NAD27	W	P	
070343	395757075064001 PETTY I WEST 1	PENNSAUKEN TWP	007	211MRPAL	84			395757	0750640	NAD27	T	Ü	31-05228
070351	395807075035301 SWIM POOL WELL/SEALED	PENNSAUKEN TWP	007	211MRPAL	171	151	171	395807	0750353	NAD27	ż	U	24 00454
070352	395810075022301 SOROCHANIUK DOM	PENNSAUKEN TWP	007	211MRPAU	48	43	48	395810	0750223	NAD27	w	Н	31-00151
070353	395811075023301 VERCHIO 1958	PENNSAUKEN TWP	007	211MRPAM	106	100	106	395811	0750223	NAD27	W	N	31-02710
070354	395811075054901 PETTY IS OBS/SEALED	PENNSAUKEN TWP	007	211MRPAL	78	,,,,	100	395811	0750556	NAD27	Z	U	31-03679
070355	395815075035901 PARAGON OIL 1/SEALED	PENNSAUKEN TWP	007	211MRPAL	61	51	61	395815	0750359	NAD27	Z	N	04.040==
070356	395821075022001 EROCKSON DOM	PENNSAUKEN TWP	007	211MRPAL	115	109	115	395821	0750220	NAD27	w	Н	31-04275
070357	395827075024601 LAYER DOM	PENNSAUKEN TWP	007	211MRPAL	137	127	137	395827	0750246	NAD27	W	Н	31-03619
070373	395902075031801 MORRIS 6	PENNSAUKEN TWP	007	211MRPAL	138			395900	0750318	NAD27	W	P	31-00190
070373	395902075031801 MORRIS 6	PENNSAUKEN TWP	007	211MRPAL	138			395900	0750318	NAD27	W	P	
070373	395902075031801 MORRIS 6	PENNSAUKEN TWP	007	211MRPAL	138	98 :	133	395900	0750318	NAD27	W	P	54 00054
070374	395906075031301 MORRIS 9/9N	PENNSAUKEN TWP	007	211MRPAL	143	89	99	395905	0750313	NAD27	W	U	51-00051
070374	395906075031301 MORRIS 9/9N	PENNSAUKEN TWP	007	211MRPAL	143	118 :	143	395905	0750313	NAD27	W	U	E4 00070
070375	395910075030701 MORRIS 8	PENNSAUKEN TWP	607	211MRPAL	128			395911	0750313	NAD27	W	P	51-00076
070375	395910075030701 MORRIS 8	PENNSAUKEN TWP	007	211MRPAL	128	•	s	395911	0750307	NAD27	W	P	
070375	395910075030701 MORRIS 8	PENNSAUKEN TWP	007	211MRPAL	128		S	395911	0750307	NAD27	W	P	
070375	395910075030701 MORRIS 8	PENNSAUKEN TWP	607	211MRPAL	128	89	124 S	395911	0750307	NAD27		P	04.00044
070377	395916075030301 MORRIS 7	PENNSAUKEN TWP	097	211MRPAL	120	•••	1240	395909	0750307	NAD27	W W	P	31-00944
070377	395916075030301 MORRIS 7	PENNSAUKEN TWP	007	211MRPAL	120	85	120	395909	0750315	NAD27	W	P	E4 000E0
070516	395345074065302 GCWD 43	GLOUCESTER CITY	007	211MRPAL	260	-	s	395346	0750654	NAD27 NAD27	W	P	51-00052
070516	395345074065302 GCWD 43	GLOUCESTER CITY	: 007	211MRPAL	260		S	395346	0750654	NAD27 NAD27	W		
070516	395345074065302 GCWD 43	GLOUCESTER CITY	007	211MRPAL	260	219.5	247 S	395346	0750654	NAD27 NAD27		Р	04 40000
070516	395345074065302 GCWD 43	GLOUCESTER CITY	007	211MRPAL	260	249	260 S	395346	0750654	NAD27 NAD27	W	P	31-18822
070527	395556075053701 PARKSIDE 18	CAMDEN CITY	097	211MRPAL	288	0	200 0	395550	0750534		W	Р	
070527	395556075053701 PARKSIDE 18	CAMDEN CITY	007	211MRPAL	288			395550	0750537	NAD27 NAD27	W	P	
070527	395556075053701 PARKSIDE 18	CAMDEN CITY	007	211MRPAL	288	258	288	395550	0750537		W	Р	
070528	395835075030201 PUCHACK 6-75/7	PENNSAUKEN TWP	007	211MRPAL	180	140	180	395836	0750337	NAD27	W	Р	31-09574
070534	395553075020701 GARDEN ST RA 2	CHERRY HILL TWP	007	211MRPAM	219	170	100	395553		NAD27	W	U	31-08526
070534	395553075020701 GARDEN ST RA 2	CHERRY HILL TWP	007	211MRPAM	219	198	219	395553	0750207	NAD27	W	С	
070535	395857075034401 TW-1-79	PENNSAUKEN TWP	007	211MRPAL	132	130	213	395553 395857	0750207	NAD27	W	С	
070535	395857075034401 TW-1-79	PENNSAUKEN TWP	007	211MRPAL	132	100	130	395857 395857	0750344	NAD27	T	U	
0,0000	00000, 07000 <del>11</del> 01 111-1-17	LANGAUNEN IVVE	007	~ · · · · · · · · · · · · · · · · · · ·	.52	100	100	39363/	0750344	NAD27	Т	U	31-15367

070536	395905075033301 TW-3-79/SEALED	PENNSAUKEN TWP	007	211MRPAL	117		:	395905	0750336	NAD27	Z	υ	
070536	395905075033301 TW-3-79/SEALED	PENNSAUKEN TWP	007	211MRPAL	117	85	115	395905	0750336	NAD27	Z	Ū	31-15369
070537	395909075032801 TW-4-79/SEALED	PENNSAUKEN TWP	007	211MRPAL	128.33	97	128.33	395907	0750332	NAD27	Z	Ū	
070538	395914075032401 TW-5-79/SEALED	PENNSAUKEN TWP	007	211MRPAL	129	. •		395910	0750330	NAD27	Z	Ū	
070538	395914075032401 TW-5-79/SEALED	PENNSAUKEN TWP	007	211MRPAL	129	80	110	395910	0750330	NAD27	Z	Ū	
070539	395902075032501 TW-6-79	PENNSAUKEN TWP	007	211MRPAL	144			395901	0750326	NAD27	т	U	
070539	395902075032501 TW-6-79	PENNSAUKEN TWP	007	211MRPAL	144	101	106	395901	0750326	NAD27	Т	Ū	31-14568
070539	395902075032501 TW-6-79	PENNSAUKEN TWP	007	211MRPAL	144	116	142	395901	0750326	NAD27	Т	Ū	01 14000
070540	395858075032501 TW-7-79/SEALED	PENNSAUKEN TWP	007	211MRPAL	141			395856	0750324	NAD27	Z	Ū	
070540	395858075032501 TW-7-79/SEALED	PENNSAUKEN TWP	007	· 211MRPAL	141			395856	0750324	NAD27	Z	ŭ	
070540	395858075032501 TW-7-79/SEALED	PENNSAUKEN TWP	007	211MRPAL	141 -			395856	0750324	NAD27	Z	Ū	
070540	395858075032501 TW-7-79/SEALED	PENNSAUKEN TWP	007	211MRPAL	141		Р	395856	0750324	NAD27	Z	Ū	
070540	395858075032501 TW-7-79/SEALED	PENNSAUKEN TWP	007	211MRPAL	141	98	108	395856	0750324	NAD27	Z	Ū	31-14569
070540	395858075032501 TW-7-79/SEALED	PENNSAUKEN TWP	007	211MRPAL	141	118	138	395856	0750324	NAD27	z	Ŭ	01 14000
070541	395611075054601 TW-8-79	CAMDEN CITY	007	211MRPAL	255		Р	395611	0750546	NAD27	T	Ū	
070541	395611075054601 TW-8-79	CAMDEN CITY	007	211MRPAL	255	215	230	395611	0750546	NAD27	T	Ũ	31-15720
070541	395611075054601 TW-8-79	CAMDEN CITY	007	211MRPAL	255	238	253	395611	0750546	NAD27	Ť	Ŭ	01-10/20
070543	395519075023601	Jan-60 CHERRY HILL TWP	007	211MRPA	135			395519	0750236	NAD27	w	P	
070545	395838075033401 MORRIS 11	PENNSAUKEN TWP	007	211MRPAL	149			395901	0750325	NAD27	w	P	
070545	395838075033401 MORRIS 11	PENNSAUKEN TWP	007	211MRPAL	149		S	395901	0750325	NAD27	w	P	
070545	395838075033401 MORRIS 11	PENNSAUKEN TWP	007	211MRPAL	149	102	144 S	395901	0750325	NAD27	w	P	31-15745
070547	395731075045801	54 CAMDEN CITY	007	211MRPAL	200		S	395731	0750458	NAD27	· w	P	01-10740
070547	395731075045801	54 CAMDEN CITY	007	211MRPAL	200	160	200 S	395731	0750458	NAD27	w	P	31-18944
070548	395802075061101 BRENAMAN DOM	PENNSAUKEN TWP	007	211MRPAL	83	73	83 P	395802	0750611	NAD27	w		31-19463
070549	395737075062603 PETTY IS 3	PENNSAUKEN TWP	007	211MRPA		i	G	395737	0750626	NAD27	ö	Ü	31-19403
070550	395713075054001 TEST 6-1954	CAMDEN CITY	007	211MRPAL	181	153	175 S	395713	0750540	NAD27	Ť	ŭ	31-01246
070552	395713075042001 WELL 3-58	CAMDEN CITY	007	211MRPAL	170	154	169.83 S	395713	0750420	NAD27	w	N	31-03459
070556	395807075023301 1-1959/SEALED	PENNSAUKEN TWP	007	211MRPAM	81	71	81 S	395807	0750233	NAD27	ż	ΰ	31-03952
070557	395607075055301 FARNHAM 1	CAMDEN CITY	007	211MRPAL	217	186	217 S	395607	0750553	NAD27	w	R	31-00135
070558	395540075052701 NO-8-EUCLID	CAMDEN CITY	007	211MRPAL	288	258	288 S	395540	0750527	NAD27	T	Ü	31-09488
070560	395652075030702 WOODBINE 2	MERCHANTVILLE BORG		211MRPAL	226	196	226	395650	0750315	NAD27	w	P	31-14563
070561	395709075061501 NJDEP - HARRISON		007	211MRPAL	118	98	118 P	395709	0750615	NAD27	ö	Ü	31-14003
070562	395709075061502 HARRISON 2	CAMDEN CITY	007	211MRPAM	46	26	` 46 P	395709	0750615	NAD27	ŏ	Ü	31-17117
070563	395712075061201 HARRISON 3/SEALEL		007	211MRPAL	117	97	117 P	395712	0750612	NAD27	ž	Ŭ	31-17116
070564	395712075061202 HARRISON 4/SEALED		007	211MRPAM	35	15	35 P	395712	0750612	NAD27	z	Ü	31-17110
070565	395716075060802 HARRISON 5	CAMDEN CITY	007	211MRPAM	39	19	39 P	395716	0750608	NAD27	ō	Ü	31-17114
070566	395718075060502 HARRISON 6	CAMDEN CITY	007	211MRPAM	40	20	40 P	395718		NAD27	ŏ	Ü	31-17114
070567	395718075060501 HARRISON 7	CAMDEN CITY	007	211MRPAL	122	102	122 P	395718	0750605	NAD27	ŏ	ŭ	
070573	395355075073802 COAST GUARD 2	GLOUCESTER CITY	007	211MRPAU	. 89			395355	0750738	NAD27	ŏ	Ü	
070574	395355075073803 COAST GUARD 3	GLOUCESTER CITY	007	111HPPM	34			395355		NAD27	ŏ	Ü	
070575	395806075004601 BELL IND-1	PENNSAUKEN TWP	007	211MRPAM		74	84	395802		NAD27	w	N	31-01357
070586	395914075032402 MORRIS 12	PENNSAUKEN TWP	007	211MRPAL	122	86	95	395910		NAD27	w	P	31-16814
070586	395914075032402 MORRIS 12	PENNSAUKEN TWP	007	211MRPAL	122	102	117	395910		NAD27	w	P	31-10014
070587	395905075033302 MORRIS 13	PENNSAUKEN TWP	007	211MRPAL	135	90 ∍	94	395905		NAD27	w	P	31-16813
070587	395905075033302 MORRIS 13	PENNSAUKEN TWP	007	211MRPAL	135	98	124	395905		NAD27	w	P	31-10013
070587	395905075033302 MORRIS 13	PENNSAUKEN TWP	007	211MRPAL	135	126	130	395905		NAD27	w	P	
070597	395718075051302	55 CAMDEN CITY	007	211MRPAL	176		s	395718		NAD27	w	P	•
070597	395718075051302	55 CAMDEN CITY	007	211MRPAL	176	136	176 S	395718		NAD27	w	P	31-20270
070670	395814075053101 PETTY ISLAND 4-198		007	211MRPAM	84.5	74.5	84.5 P	395814		NAD27	w	н	31-20653
		· Lintononian in	•••					333311	0700001	INAUZI	V,Y	н	31-20003
						• :		•					
	*												
		•											
												,	
	•								•				
						i							

							1						
070674	395403075032202 HTWD 2A	HADDON TWP	007	211MRPAL	472.67		ļ	395403	0750322	NAD27	w	Ρ	
070674	395403075032202 HTWD 2A	HADDON TWP	007	211MRPAL	472.67	430	440 S	395403	0750322	NAD27	W	Р	31-29099
070674	395403075032202 HTWD 2A	HADDON TWP	1007	211MRPAL	472.67	452	472.67 S	395403	0750322	NAD27	W	Р	
070687	395904075035801 BETSY ROSS BR E1B/SEALED	PENNSAUKEN TWP	007	211MRPAL		0	83.5	395904	0750358	NAD27	Z	U	
070693	395416075073401 W WH BR BORING 12/SEALED	GLOUCESTER CITY	007	211MRPA		0	263	395416	0750734	NAD27	Z	Ų	
070723	395355075031501 RHOADES AVE 3A	HADDON TWP	007	211MRPAL	475			395355	0750315	NAD27	W	Р	
070723	395355075031501 RHOADES AVE 3A	HADDON TWP	007	211MRPAL	475		S	395355	0750315	NAD27	W	P	
070723	395355075031501 RHOADES AVE 3A	HADDON TWP	007	211MRPAL	475	418	428 S	395355	0750315	NAD27	W	Ρ	31-28896
070723	395355075031501 RHOADES AVE 3A	HADDON TWP	007	211MRPAL	475	440	470 S	395355	0750315	NAD27	W	Ρ	
070724	395728075050201 CLEVELAND AVE PW 53	CAMDEN CITY	007	211MRPAL	194		S	395728	0750502	NAD27	W	Ρ	
070724	395728075050201 CLEVELAND AVE PW 53	CAMDEN CITY	007	211MRPAL	194	154	194 S	395728	0750502	NAD27	W	Ρ	31-18947
070825	395508075074001 M&F IND 3R	CAMDEN CITY	007	211MRPAM	149			395508	0750740	NAD27	W	N	
070825	395508075074001 M&F IND 3R	CAMDEN CITY	007	211MRPAM	149	86	116 S	395508	0750740	NAD27	W	N	31-42789
070825	395508075074001 M&F IND 3R	CAMDEN CITY	007	211MRPAM	149	126	146 S	395508	0750740	NAD27	W	N	
070832	395507075072801 MAFCO 2	CAMDEN CITY	007	211MRPAM	99.5			395507	0750728	NAD27	W	N	51-00035
070848	395549075035601 BISHOP EUSTACE PREP 1	PENNSAUKEN TWP	007	211MRPAM	150	135	150 S	395549	0750356	NAD27	W	1	31-17884
070851	395814075032901 CAMDEN CITY MW-1A	PENNSAUKEN TWP	007	211MRPAL	140.94		Р	395814	0750329	NAD27	0	U	
070851	395814075032901 CAMDEN CITY MW-1A	PENNSAUKEN TWP	007	211MRPAL	140.94	130.94	140.94 S	395814	0750329	NAD27	0	U	31-37328
070852	395814075032902 CAMDEN CITY MW-1B	PENNSAUKEN TWP	007	211MRPAM	103.8	93.8	103.8 P	395814	0750329	NAD27	0	U	31-37329
070853	395814075025401 CAMDEN CITY MW-2A	PENNSAUKEN TWP	007	211MRPAL	174		. Р	395814	0750254	NAD27	0	U	
070853	395814075025401 CAMDEN CITY MW-2A	PENNSAUKEN TWP	007	211MRPAL	174	164	174 S	395814	0750254	NAD27	0	U	31-37326
070854	395814075025402 CAMDEN CITY MW-2B	PENNSAUKEN TWP	007	211MRPAM	120	110	120 P	395814	0750254	NAD27	0	U	31-37327
070855	395828075031601 CAMDEN CITY MW-4A	PENNSAUKEN TWP	007	211MRPAL	202		P	395828	0750316	NAD27	0	U	
070855	395828075031601 CAMDEN CITY MW-4A	PENNSAUKEN TWP	007	211MRPAL	202	192	202 S	395828	0750316	NAD27	0	Ü	31-37359
070856	395828075031602 CAMDEN CITY MW-4B	PENNSAUKEN TWP	007	211MRPAM	86		Р	395828	0750316	NAD27	0	U	
070856	395828075031602 CAMDEN CITY MW-4B	PENNSAUKEN TWP	007	211MRPAM	86	76	86 S	395828	0750316	NAD27	0	U	31-37360
070871	395613075052101 SHELL SRVC STA MW-4	CAMDEN CITY	007	211MRPAU	56	36	56 P	395613	0750521	NAD27	0	U	31-30805
070872	395622075063601 CAMPBELL SOUP EMW-9	CAMDEN CITY	007	211MRPAU	26	16	26 P	395622	0750636	NAD27	0	U	31-47665
070902	395359075065402 GCWD 41/AKA 31-04903 RD	GLOUCESTER CITY	007 :	211MRPAU	265	•		395359	0750654	NAD27	W	Ρ	
070902	395359075065402 GCWD 41/AKA 31-04903 RD	GLOUCESTER CITY	007	211MRPAU	265		s	395359	0750654	NAD27	W	Ρ	
070902	395359075065402 GCWD 41/AKA 31-04903 RD	GLOUCESTER CITY	007	211MRPAU	265	225	265 S	395359	0750654	NAD27	w	P	31-27737
070904	395604075040001 BROWNING WTP 3A	PENNSAUKEN TWP	007	211MRPAM	185.3		s	395630	0750409	NAD27	R	Ρ	
070904	395604075040001 BROWNING WTP 3A	PENNSAUKEN TWP	007	211MRPAM	185.3		S	395630	0750409	NAD27	R	Р	
070904	395604075040001 BROWNING WTP 3A	PENNSAUKEN TWP	007 ·	211MRPAM	185.3	140	150 S	395630	0750409	NAD27	R	Р	
070904	395604075040001 BROWNING WTP 3A	PENNSAUKEN TWP	007	211MRPAM	185.3	160	180.3 S	395630	0750409	NAD27	R	Ρ	
070904	395604075040001 BROWNING WTP 3A	PENNSAUKEN TWP	007	211MRPAM	185.3	107.7	128 S	395630	0750409	NAD27	R	Р	31-43933
070932	395759075041501 DELA GARDEN R-1	PENNSAUKEN TWP	007	211MRPAL	145	125	145 P	395759	0750415	NAD27	0	υ	31-43420
070940	395808075024801 SUPER TIRE MW-2D	PENNSAUKEN TWP	007	211MRPAM	75		P	395808	0750248	NAD27	0	U	
070940	395808075024801 SUPER TIRE MW-2D	PENNSAUKEN TWP	007	211MRPAM	75	55	75 S	395808	0750248	NAD27	0	U	31-35902
070941	395810075033201 KING ARTHUR MW-6D	PENNSAUKEN TWP	007	211MRPAL	164.56	149.56	164.56 P	395810	0750332	NAD27	0	U	31-36281
070942	395811075033301 KING ARTHUR MW-3	PENNSAUKEN TWP	007	211MRPAL	142		P	395811	0750333	NAD27	0	U	
070942	395811075033301 KING ARTHUR MW-3	PENNSAUKEN TWP	007	211MRPAL	142	127	142 S	395811	0750333	NAD27	0	U	31-32138
070943	395814075033801 KING ARTHUR MW-5S	PENNSAUKEN TWP	007	211MRPAM	91	71	91	395814	0750338	NAD27	Ó	Ū	31-36280
070944	395814075033802 KING ARTHUR MW-5D	PENNSAUKEN TWP	007	211MRPAL	140	125	140 P	395814	0750338	NAD27	o	Ū	31-36279
070945	395815075035201 SGL 1A	PENNSAUKEN TWP	007	211MRPAM	90.5	70.5	90.5 P	395815	0750352	NAD27	Ó	Ū	31-19600-4
070946	395815075035401 SGL CHROME MW-3	PENNSAUKEN TWP	007	211MRPAL	85	65	85 P	395815	0750354	NAD27	ŏ	Ü	31-19010-3
070947	395825075033601 APS-4	PENNSAUKEN TWP	007	211MRPAM	67.5	52.5	67.5 P	395825	0750336	NAD27	ō	Ŭ	
070948	395841075023301 GSM MW-11	PENNSAUKEN TWP	007	211MRPAM	63	:	Р	395841	0750233	NAD27	Ö	ŭ	
070948	395841075023301 GSM MW-11	PENNSAUKEN TWP	007	211MRPAM	63	53	63 S	395841	0750233	NAD27	Ö	Ü	31-33572-1
0,00-0						1					-	-	2. <b>550/2</b> /
						1							

070949 070967 070968 070986	395842075023101 GSM MW-1 395509075072501 MAFCO 3/SEALED 395634075050801 GC 7 395630075040902 CARSON SCHOOL OBS	PENNSAUKEN TWP CAMDEN CITY CAMDEN CITY PENNSAUKEN TWP	007 007 007 007	211MRPAU 211MRPAM 211MRPAL 211MRPAM	38 140 194 180	23 90 174 102	38 140 S 194 S 142 P	395842 395509 395634 395630	0750231 0750725 0750508	NAD27 NAD27 NAD27	O Z W	U N N	31-23580 31-19275
070986 070987	395630075040902 CARSON SCHOOL OBS 395840075035401 G-P GYPSUM CORP 1	PENNSAUKEN TWP PENNSAUKEN TWP	007 007	211MRPAM 211MRPAL	180 146	160 117	180 P 142 S	395630 395840	0750409 0750409 0750354	NAD27 NAD27 NAD27	0	U	31-43797
071004 071010 071010	395358075053701 NJDEP AUDUBON PARK MW14 395814075025403 CAMDEN CITY MW-2D 395814075025403 CAMDEN CITY MW-2D	AUDOBON PARK BORO PENNSAUKEN TWP	007	211MCVL 211MRPAL	18.67 255	13.67	18.67 P P	395358 395814	0750537 0750254	NAD27 NAD27	0	U U	31-58442
071010 071017	395814075025403 CAMDEN CITY MW-2D 395828075031603 CAMDEN CITY MW-4I	PENNSAUKEN TWP PENNSAUKEN TWP PENNSAUKEN TWP	007 007 007	211MRPAL 211MRPAL 211MRPAL	255 255 150	240	250 S P .	395814 395814 395828	0750254 0750254	NAD27 NAD27	0	U U	
071017 071017	395828075031603 CAMDEN CITY MW-4I 395828075031603 CAMDEN CITY MW-4I	PENNSAUKEN TWP PENNSAUKEN TWP	007 007	211MRPAL 211MRPAL	150 150	135	P 145 S	395828 395828 395828	0750316 0750316 0750316	NAD27 NAD27 NAD27	0 0	U U	
071018 071018 071018	395814075032903 CAMDEN CITY MW-1D 395814075032903 CAMDEN CITY MW-1D 395814075032903 CAMDEN CITY MW-1D	PENNSAUKEN TWP PENNSAUKEN TWP PENNSAUKEN TWP	007 007 007	211MRPAL 211MRPAL 211MRPAL	235 235 235	220	P P 230 S	395814 395814 395814	0750329 0750329 0750329	NAD27 NAD27	0	Ü	
					_00	420	200 0	393014	0730329	NAD27	0	U	

#### PROJECT NOTE

Roy F. Weston

To: Flowen Oil File

Date: 7/12/2001

**Page**: 1 of 1

From: William H. Morrison

Subject: Camden Wells

Based on a report of Camden Municipal Wells performed by Region II START dated December 2000, there are 7 public supply wells owned by the City of Camden within a 4 mile radius of the Flowen Oil site.

10 wells are currently functioning and supply drinking water for 54,000 residents.

None of the wells supplies > 40% of the water to the city so it is assumed for HRS purposes that the water from each well is distributed equally.

(54,000 residents) / (10 Wells) = 5,400 people supplied by each well.

(5,400 people / well) X (7 Wells within a 4 mile radius) = 37,000 people served by well water obtained with 4 miles of the Flowen oil site.

# GROUNDWATER INVESTIGATION REPORT CAMDEN MUNICIPAL WELLS CAMDEN, CAMDEN COUNTY, NJ

CERCLIS ID No.: NJD980769087

Prepared by: ROY F. WESTON, INC. Edison, New Jersey 08837

# Prepared for: UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Work Assignment No.: 052-SISI-02ZZ Work Order No.: 20064-052-100-4044 EPA Contract No.: 68-W7-0026 Document Control No.: RFW052-2A-AHAY

#### **DECEMBER 2000**

Approved by:			Date
	Richard Flack Project Manager	•	
Approved by:	Scott Butterfield Site Manager	<del></del>	Date
Approved by:	Dean Geers Program Manager	—	Date

# 1.2.1.3 Parkside Well Field

The Parkside Well Field is located within the City limits approximately four miles to the southwest of the Puchack Well Field. The Parkside Well Field contains three permitted wells (Well Nos. 13, 17 and 18).

Operational Issues

Due to volatile organic compound contamination, only Well Nos. 17 and 18 will be operated on a normal basis. Well No. 13 has not been in service for several years and in addition, a segment of the raw water piping leading to the Parkside treatment plant has been removed. Parkside Wells Nos. 17 and 18 are currently operational.

# 1.2.1.4 Other City Wells

In addition to the Parkside wells, the City operates two other wells within the City limits. Well No. 7 is dedicated to supplying process water to the Camden County Resource Recovery Facility (approximately 0.8 MGD) and Well No. 11 is used for emergency water supply. Well No. 11 is disinfected at the well head at discharged directly to the distribution system. Use of Well No. 11 is minimized in conformance with the City's corrosion control strategy due to the corrosive nature of this supply. It is the City's practice to operate City Well No. 11 only if sufficient system pressures can not be maintained using the Morris-Delair, Puchack and Parkside Well Fields operable wells.

# 1.2.2 Water Production

A summary of the permitted capacity, 1996 pumping capacity and original yield for each permitted well is provided in Table 1-1. The water production data for each well presented in Table 1-1 is not based on information from meters, but rather on flow tests and the number of hours of operation for each well.

# 1.2.3 Water Allocation Permit

The City operates its Water System under Water Allocation Permit No. 5302 (expires December 31, 1998). In accordance with the Water Allocation Permit, the total permitted diversion from the sources identified in Table 1-1 shall not exceed 664 million gallons per month at a rate of 30,000 gpm and shall not exceed 6,928 million gallons per year. The total diversion from City Well Nos. 7 and 11, Parkside Well Nos. 13, 17 and 18 and Puchack Well Nos. 1, 2, 3, 5, 6 and 7 shall not exceed 2,117.343 million gallons per year. The base allocation, if withdrawn at a constant daily rate, represents an average withdrawal rate of approximately 5.8 MGD for the combined total withdrawal from the Puchack Run and Parkside Well Fields and City Wells. The planned Puchack Run Plant may operate partially or fully under a separate permit.

A++.B, p.6/8

				Table !	-     -	al Weils		•		
Permit	Well No.	Ye.	-P-	Dapth ((sef).	Ji 19 Prod		CE	mitted unip pacity pus) (2)	Orig Yid (27)	eld.
No.								يىزد . ئىرىپ		$\overline{}$
rris WellTele	1:	•1,	· ·		<u> </u>	<del></del>				
\$100050 3151984 3100945 3104252 5100051 5100052 3100944 5100076 3104251 3116814 3116813 Proposed	1 2 3 4 6 7 8 9 10 11 12 13	19 19 19 19 19 19 19 19 19	61 41 153 160 732 960 953 932 960 979 981 1980	107 115 107 130 133 120 124 143 115 144 117.6	- 1	750 pump 800 (200 325 1056 603 700 1230 815 887 800	1	600 1800 1600 1700 1680 1670 1670 1460 2030 2030 2060 2060	10 10 11 11 11 11 11	00 00 585 944 630 000 900 523 2030 2060
	15						<u> </u>			
1100000		,	نمىن خانىد	Wige all the	264.	9.74 E	1374	-		
Proposed Delair Well (I	Ide:	-4.00xx		WEST CONTRACTOR			T	1680		1980
5100053 5100054	1	2	1930 1930 1930	138 141 135	1	1100 550 650		1830	<u> </u> .	1330 1850
5100055			1730					THE PERSON NAMED IN	· Charles	X-1-24.
Phone in the second	-Wells	eld.		- MEST - 17	77	- Harris	3741	1000	1	
5100056 5100057 5100058 5100059 3105450	-	1 1924 2 1924 3 1924 5 192 6 1970 7 197		14 16 17 11 22	9 13 16	1080 996 1280 1120 1831 1284		1500 1000 1280 1324 2260 1681		1320 1440 1184 1119 1800 1287
3108526								- CILLS		-
City Wells	Park lies	~=: <b>df</b>	Marie 17	7.25.50°	4.50	TO STANKE				:•
510000 510000	50	7 11 13	196 194 193	66   12 53	163 159 230 270	1023 791 690 0		1500 1010 1200 1500		1023 1005 1000 1000
31009	1 4									-1250

Ref. 11, p. 13

Notes:

- Acutifated Pump Capacity

- Acutifated Pump Capacity

- Proposed

<sup>•• -</sup> Proposed

(1) - As reported by City personnel 7/1/96.

(2) - As reported in NIDEP Water Allocation Diversion Permit No. 5302 effective 10/2/97

(2) - As reported in NIDEP Staff Reports (dued 6/91) regarding Application No. 5302,

(3) - As reported in NIDEP Staff Reports (dued 6/91) regarding Application No. 5302,

updated by City personnel 7/1/96 and original construction details.

A++, B, P. 8/8

Ref.

#### **GROUNDWATER INVESTIGATION REPORT**

#### 1.0 INTRODUCTION

On 2 February 2000, the United States Environmental Protection Agency (EPA) tasked Roy F. Weston Inc. (WESTON) with conducting a groundwater investigation at the Camden Municipal Wells Site (site) in Camden, Camden County, NJ. The purpose of this investigation was to determine the constituents present in groundwater at the site and to identify potential sources of contamination.

#### 1.1 Background

#### 1.1.1 Site Location

The site is located in the City of Camden (Camden) and Pennsauken Township, New Jersey (Figure 1-1). Camden currently has 16 operable wells in three wellfields (Morris, Delair, and Parkside). The Morris wellfield consists of 12 operable wells in Pennsauken Township (Figure 1-2). The Morris wellfield is bounded to the west by the Delaware River, to the south by the Betsy Ross Bridge, to the east by the Penn Central Railroad tracks and to the north by Pennsauken Creek. The Parkside wellfield consists of two operable wells and one inoperable well in Camden, NJ (Figure 1-3). The Delair wellfield consists of one operable well located in Pennsauken Township, NJ (Figure 1-2).

#### 1.1.2 Public Water Supply and Distribution System

The Camden public water supply and distribution system currently consists of three wellfields, two treatment plants, and one distribution system. Water from the Morris and Delair wellfields is pumped to the Morris and Delair treatment plant at 8900 Zimmerman Ave. Pennsauken, NJ. Water from the Parkside wellfield is pumped to the Parkside Treatment Plant (PTP) at Park and Vesper Boulevards in Camden, NJ. Water from both treatment plants is pumped into a distribution system that supplies drinking water to approximately 54,000 Camden residents via water mains (Reference 1).

#### 1.1.3 Site History

Prior to the 1930s, Camden owned and operated approximately 100 shallow wells in and around the existing Morris wellfield. Historical information on these wells is limited, but they were eventually replaced by the current, deeper municipal wells (Reference 2). Between 1930 and 1970 potable water was supplied by various wells in the Morris, Delair, Puchack, and Parkside wellfields. Some wells have been taken off-line, refurbished or redrilled. Table 1-1 summarizes the available specifications, and drilling dates for wells associated with the Morris, Delair, and Parkside wellfields. Numerous sampling events have been conducted at the Morris, Delair, and

Parkside wellfields since the early 1970's. Results from these sampling events are summarized below.

In December 1972, samples collected from Parkside wells 13 and 17 contained 4 parts per million (ppm) of chromium (Reference 3).

In April and May 1978, samples collected from Parkside wells 13, 17 and 18 contained elevated levels of trichloroethylene (TCE) [16 – 297 (parts per billion (ppb)] (Reference 4).

In December 1979, samples collected from Parkside wells 13, 17, and 18 contained elevated levels of TCE, tetrachloroethylene (PCE), and 1,2 dichloroethane. Samples collected from the PTP effluent also contained elevated levels of these compounds (Reference 5).

In 1980, samples were collected monthly (except March) from Parkside wells 13, 16, 17, and 18 as well as the PTP effluent. All samples collected from these wells and the effluent contained elevated levels of TCE, PCE, and 1,2 dichloroethane (Reference 6). In January 1980, samples collected from Parkside wells 13, 17, and 18 contained 5 ppb of chromium (Reference 3). A sample collected in January 1980, from Morris well 11 contained 5 ppb of chromium (Reference 3).

In February 1981 samples collected from Morris wells 12 and 13 contained 5 ppb of chromium (Reference 3).

In April 1985, samples collected from the PTP effluent contained elevated levels of TCE (26.7 ppb) and PCE (6.45 ppb) (Reference 7).

On 21 November 1985, samples collected by NJDEP from the PTP contained TCE (18.3 ppb), PCE (7.5 ppb), 1,2-dichloroethylene (3.8 ppb), and 1,2-dichloroethane (6.5 ppb). NJDEP ordered Camden to identify the source of these contaminants in the PTP and either treat the raw water or use alternative sources. NJDEP also required Camden to conduct monthly monitoring of the PTP (Reference 8).

On 6 March 1986, samples collected by NJDEP from the the PTP contained TCE (22 ppb), PCE (5.2 ppb), trans-1,2-dichloroethylene (4.5ppb), 1,1-dichloroethylene (2 ppb), 1,2-dichloroethane (8.9 ppb), 1,1-dichloroethane (3 ppb), and benzene (2.1 ppb) (Reference 9).

On 26 March 1986, samples collected by Camden from the PTP contained TCE (14 ppb), PCE (12 ppb), 1,2 dichloroethane (8 ppb), and 1,2-trans-dichloroethylene (3 ppb) (Reference 10). In April 1986, samples collected from the PTP effluent contained TCE (50 ppb), 1,2-dichloroethane (5 ppb), and 1,1-dichloroethane (1 ppb) (Reference 11).

In May 1986, samples collected by Camden from the PTP effluent contained TCE (14 ppb) and PCE (8 ppb). (Reference 12). In July 1986, samples collected by Camden from the PTP effluent contained TCE (25 ppb) (Reference 13). In August 1986, samples collected from the PTP effluent contained TCE (9.8 ppb), PCE (5.7 ppb), and 1,2-dichloroethane (4.3 ppb) (Reference 13).

In September 1988, samples collected by Camden from Parkside well 17 contained TCE (17 ppb), 1,2-dichloroethane (6.7 ppb), trans-1,2-dichloroethylene (5.9 ppb), methylene chloride (2.5 ppb), bromoform (23 ppb), chlorobenzene (52 ppb), and toluene (23 ppb). Samples collected from Parkside well 18 contained TCE (19 ppb), 1,2-dichloroethane (5.9 ppb), trans-1,2-dichloroethylene (4.8 ppb), bromoform (6.2 ppb), and toluene 34 ppb). Samples collected from Parkside well 13 contained TCE (130 ppb), 1,2-dichloroethane (8.3 ppb), trans-1,2-dichloroethylene (26 ppb), benzene (14 ppb), bromoform (7.8 ppb), toluene (230 ppb), and chloroform (2.8 ppb). Samples collected from Morris wells 6, 7, 8, 10, 11, and 12 did not contain any volatile organic compounds (VOCs). A sample collected from Morris well 3 contained PCE (5.9 ppb), 1,4-dichlorobenzene (4.8 ppb), and 1,3-dichlorobenzene (11 ppb). A Sample collected from Delair well 2 did not contain any VOCs. A sample collected from Delair well 3 contained methylene chloride (2.4 ppb). A sample collected from Puchack well 13 contained TCE (3.1 ppb), trans-1,2-dichloroethylene (3.1 ppb), methylene chloride (2.4 ppb), and bromoform (1.8 ppb) (Reference 14).

In 1994, several samples were collected throughout the year from the point of entry into the PTP that contained TCE (18-49 ppb) (Reference 15). In February and May 1995, samples collected from the point of entry into the PTP contained TCE (31-35 ppb) (Reference 15)

In June 2000, the Morris wellfield consisted of 12 operable wells: Morris 2, 3, 4, 6, 7, 8, 10, 11, 12, 13, 14, and 15. Morris 1 was being redrilled and Morris 9 was collapsed. The Delair wellfield consisted of Delair well 1. Delair wells 2 and 3 were removed. The Parkdside wellfield consisted of two functioning wells (17 and 18) and one out of service well (13). Camden was in the process of constructing two new wells (Morris 14 and 15).

#### 1.1.4 Regulatory History

On 18 August 1971, the New Jersey Department of Environmental Protection (NJDEP) issued an Administrative Order (AO) to the City of Camden. The AO required the city to make extensive improvements in the operation and maintenance of its potable water supply and distribution system. The order also required the city to seal abandoned wells, provide treatment and disinfection where necessary, maintain operating records, and provide additional elevated storage capacity (Reference 17).

On 25 March, 2 April, and 14 May 1980, NJDEP conducted three inspections of the Camden water supply and distribution system that revealed several wells were pumping raw untreated groundwater directly to the distribution system. Various wells were found to produce water that exceeded maximum contaminant levels (MCLs) defined in the New Jersey Safe Drinking Water Act Regulations, for chromium, iron, manganese, color and corrosivity. NJDEP also determined that Camden required additional storage capacity and prime sources of water supply (Reference 17).

In July 1981, Camden responded to the AO with a written proposal for short and long-term improvements to the water supply and distribution system to insure an adequate and safe water supply to the city. These reports served as a basis for extensive discussions between the city and NJDEP, following which the AO was revised (Reference 17).

In September 1983, the revised AO required Camden to disconnect five wells from the water supply system, make them functional for groundwater monitoring, and protect them from unauthorized access and vandalism. Camden was also ordered to submit a comprehensive operation and maintenance manual for all treatment facilities, pumping stations, and distribution mains within the system. The AO also required Camden to provide additional elevated storage capacity or a combination of storage capacity and auxiliary power to operate pumping equipment at the storage facility. NJDEP also ordered Camden to correct several system leaks using a two phase approach on an eight year schedule (Reference 17).

In October 1983, NJDEP conducted an inspection of the Morris-Delair treatment plant. This inspection revealed that pH was being monitored on a daily basis, however, the self-monitoring program was inadequate. In addition, storage capacity requirements were not fulfilled (Reference 16).

In January 1989, NJDEP issued an AO and Civil Administrative Penalty Assessment to Camden for failing to conduct proper laboratory quality control practices (Reference 19).

In April 1995, NJDEP issued an Administrative Consent order that required Camden to provide treatment at the PTP for all VOCs that exceeded MCLs. The order also required Camden to install flow meters in the Morris-Delair and Puchack, and PTPs (Reference 18).

#### 1.1 BACKGROUND INFORMATION

The purpose of this Section is to provide the Operator with an overview and general understanding of the City's System(s).

#### 1.1.1 City of Camden

The City of Camden, New Jersey is located in the southwest region of New Jersey, directly across the Delaware River from Philadelphia, Pennsylvania. The 1990 Census population of the City is approximately 87,500. The City provides water service to approximately 54,000 residents as well as commercial, institutional and industrial customers within the portion of the City which comprises the City's water service area which is defined in Section 1.3 and Figure 1-1 of this Schedule 1.

Water is pumped to the City's three treatment plants (Morris-Delair, Parkside and Puchack Run) by 26 existing groundwater wells. All of the City's wells are screened in the Potomac-Raritan-Magothy formation. The Morris-Delair treatment plant is the City's largest treatment facility with a 1960 design capacity of 18 million gallons per day (MGD). The Parkside treatment plant is currently out-of-service and is undergoing substantial renovation. Once completed, the Parkside Water Treatment Plant will have a hydraulic design capacity of three MGD. The well field serving the Puchack Run treatment plant is contaminated with chromium and is currently operated under the direction of New Jersey Department of Environmental Protection (NJDEP) for containment of the chromium plume. The water produced by the Puchack Run treatment plant is currently discharged directly to Puchack Run. The City operates two storage tanks, (five and two million gallons) located within the City limits. A third storage facility, a 0.5 million gallon standpipe located at Whitman Fank is not currently operated.

The City provides wastewater collection service to the residential, commercial, institutional and industrial customers located within the City and to approximately 249 customers in Pennsauken Township.

#### 1.2 WATER SYSTEM

The City owns and operates a water supply and distribution system providing for the residential, commercial, industrial and fire protection needs of the residents. Water service is provided for all portions of the City except the area north of the Cooper River. The water service area comprises about six square miles and is shown in Figure 1-1 herein. The Water System serves an estimated 54,000 residents out of a City population of approximately 87,500 (1990 Census), plus industrial, institutional and commercial water users. A total of approximately 13,000 customers use the Water System. In addition, 1,255 fire hydrants serve as the primary source of water supply for fire protection in the Water System's service

A+1.8, p. 3/8

Adjacent water service districts include:

- New Jersey American Water Company
- Merchantville-Pennsauken Water Commission
- Collingswood Water Department
- Gloucester City Water Department

The City of Camden Department of Utilities staff is responsible for maintaining all parts of the Water System asset, including groundwater supply wells, treatment plants, and the distribution and storage system.

The balance of this section is a summary of the City's Well Fields, treatment plants, distribution and storage systems.

## 1.2.1 Well Field Description

To the William

The Proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the proposition of the propositi

10.10 to 22.10

The City has permits for 26 water supply wells, 24 of these water supply wells are existing. Two wells, Morris Well Nos. 14 and 15 are proposed. Of the 24 existing wells, the City operates 17 wells on a normal basis. Six other permitted wells are currently out of service due to poor water quality or low well production. Two permitted wells are maintained for emergency use only and one permitted well is out of service due to a lack of service piping. The City's wells are primarily located in four well fields: Morris, Delair, Puchack, and Parkside. Two additional wells, Well No. 7 and Well No. 11 are located at Jefferson and 9th Streets and Bulson and 9th streets in the City, respectively. The location of each well at the Morris, Delair, and Puchack Well Fields is shown in Figure 1-2, and the locations of the Parkside and two City wells are shown in Figure 1-3.

# 1.2.1.1 Morris-Delair Well Field

The Morris Well Field is located adjacent to the Delaware River and is approximately 95 acres. The Morris Well Field is commonly identified as either the Morris North or the Morris South Well Field. This designation is not based on geographic location, but rather on the electric services and water main to which the wells are connected. The Morris North Well Field contains six permitted wells (Well Nos. 1, 2, 3, 4, 12 and 13). Of these six wells, only Well No. 2 is not operational due to lack of service piping, low production and lack of wellhouse.

The Morris South Well Field contains six existing and two proposed permitted wells. The existing wells are Nos. 6, 7, 8, 9, 10, 11 and proposed wells 14 and 15. With the exception of Well Nos. 6 and 9 which are out of service due to a low rate of production, all existing wells in the Morris South Well Field are operational.

The Delair Well Field is located just south of the Betsy Ross Bridge and occupies approximately 15 acres. The Delair Well Field contains three permitted weils. The permitted wells are Well Nos. 1, 2 and 3. All three wells are operational. Therefore, of the 17 permitted wells located in the Morris and Delair Well Fields, 12 wells (five

AH.B. p. 4/8

wells at Morris North, four wells at Morris South and three wells at Delair) are currently operated on a daily basis.

The Morris and Delair Well Fields are collectively referred to as the Morris-Delair Well Field. Operational and maintenance issues that currently exist in the Morris-Delair Well Field include but are not limited to:

- Security Needs These well fields are accessible by trespossors and are used by dirt bikes. Vandalism risks must be dealt with.
- Raw Water Pipelines The raw water transmission line extending to Morris Well No. 2 is absent, and in general, existing transmission pipelines are subject to tuberculation and leakage.
  - Well Rehabilitation Due to the age and physical condition of some of the wells, a rehabilitation program must be addressed. Production rates for many of the wells has decreased and efforts to increase well production have had limited success.
  - Flooding and Wetlands Issues Due to the proximity of the Morris-Delair Well Field to the Delaware River, wellheads of two wells in Delair Well Field and one well in the Morris North Well Fields subject to high water levels. Raising of the wellheads of those wells that are in danger of or experiencing flooding will be necessary. In addition, a significant portion of the City's Morris-Delair Well Field is within or adjacent to wetlands. The City's two proposed wells are within or adjacent to wetlands which must be addressed appropriately.

### 1.2.1.2 Puchack Well Field

The Puchack Well Field is located southeast of the Morris and Delair Well Fields, approximately 2,000 feet southeast of the Delaware River. Groundwater from the Puchack Well Field is reported to be contaminated with hexavalent chromium. The Puchack Well Field contains six permitted wells. The permitted wells are Nos. 1, 2, 3, 5, 6 and 7. Of the six permitted wells, only Well No. 1 is operational. The pumps and motors from three of the four non-operational wells have been removed. Well No. 1 is operated at the direction of NIDEP to contain the chromium plume and as of late 1997, is currently discharged directly to Puchack Run and bypasses the treatment plant.

Upon completion of a new Puchack Run Treatment Plant, contingent upon State funding, the wells are to be rehabilitated and new or re-built pumps are to be installed.

AH. B, p. 5/8

Table 1-1 Camden Municipal Wells Well Specifications

Well ID	Status	Depth (feet)	Permitted Capacity (gpm)	June 1996 Production (gpm)	Original Yield (gpm)	Year Drilled	Depth to Screen (feet)
Delair 1	Operating	138	1680	1100	1980	10/31/30	103-138
Morris 10	Operating	115	1400	1230	1529	10/29/60	75-115
Morris 11	Operating	144	2030	815	2030	8/1/79	102-144
Morris 12	Operating	117.6	2030	887	2030	1/7/81	86-95
Morris 13	Operating	130	2060	800	2060	6/4/80	90-130 mult.
Morris 2	Sealed (1979)	115	1000	No pump	1000	1/1/32	93-123
Morris 3	Operating	107	1800	800	1000	7/53	73-107
Morris 4	Operating	130	1600	1200	1585	1/1/60	95-130
Morris 6	Operating	133	1700	325	1944	7/11/32	98-133
Morris 7	Operating	120	1680	1056	1630	1/1/32	85-120
Morris 8	Operating	124	1670	603	1000	1/1/53	89-124
Parkside 13	Off-line	230	1200	690	1000	1953	185-225
Parkside 17	Sealed	270	1500	0	1000	1954	230-265
Parkside 18	Sealed	290	1200	1062	1250	1976	258-288

#### Notes:

gpm = gallons per minute.

#### PROJECT NOTE

Roy F. Weston

To: Flowen Oil File

Date: 7/12/2001

Page: 1 of 1

From: William H. Morrison

Subject: Merchantville/Pennsauken Well Population Apportionment

The Merchantville/Pennsauken Water Company (the "Company") Owns/Operates 9 Wells within a 4 mile radius of the Flowen Oil site. None of the wells supplies > 40% of the population, and the water is blended with all wells, so for HRS purposes the population apportionment is considered to be equally distributed.

According to 2000 census data, the Camden County average number of persons per household is 2.68. With approximately 14,000 service connections it is estimated that the Company well service 37,520 people.

(2.68 persons/household) X 14,000 service connections = 37,520

As none of the Company's wells supply more than 40% of the total drinking water, the population using each well was apportioned equally amoung the 15 operational wells, resulting in 2,501 persons served by each well.

(37,520 people) / (15 operational wells) = 2501 people/well

### **TELECON NOTE**

Roy F. Weston

W. O. NO.: UNKNOWN DATE: 7/12/2001 TIME: 12:01 PM

**DISTRIBUTION:** Flowen Oil

BETWEEN: Leo Holland OF: Merchantville/ Pennsauken Water Company

PHONE: 856-663-0043

AND: William H. Morrison Subject: Well Information

William Morrison of Region II SAT contacted Leo Holland of the Merchantville/Pennsauken Water Company to confirm the PSW2000 report on his area and collect additional data.

The following are wells identified within 4 miles of the Flowen Oil site:

<u>ID</u>	<b>DEPTH</b>
Marion Ave. Well 1:	242 feet
Marion Ave. Well 2:	223 feet
Browning Rd Well 1:	110 feet
Browning Rd. Well 2:	110 feet
Woodbine Ave. Well 1:	245 feet
Woodbine Ave. Well 2:	245 feet
Delaware Gardens Well 1:	110 feet
Delaware Gardens Well 2:	110 feet
Well 3A:	140 feet

Mr. Holland also confirmed that the Merchantville/Pennsauken Water Company has 15 operational wells.

### PROJECT NOTE

Roy F. Weston

To: Grinding Balls File

Date: 12/13/2000

Page: 1 of 1

From: William H. Morrison

Subject: Merchantville/Pennsauken Water Company Wells

The Merchantville/Pennsauken Water Company ("The Company") owns and operates two wells within the 3-4 mile radius of the Grinding Balls site, and are located in Pennsauken Township. Based on the information provided, Region II SAT has calculated that these two wells provide water for 5,152 people.

#### **Population Apportionment**

According to census data, the Camden County average number of persons per household is 2.76. With approximately 14,000 service connections it is estimated that the Company wells serve 38,640 people.

(2.76 persons/household) X (14,000 service connections) = 38,640 people

As none of the Company's wells supply more than 40% of the total drinking water, the population using each well was apportioned equally among the 15 operational wells, resulting in 2,576 persons served by each well.

(38,640 people) / (15 Operational Wells) = 2,576 people/well

As there are two wells in the 3-4 mile radius, approximately 5,152 people are served by the two wells in question.

(2,576 people/well) X (2 Wells) = 5,152 people/well

## **TELECON NOTE**

Roy F. Weston

W. O. NO.: 20064-052-100-3033 DATE: 12/13/2000 TIME: 11:55 AM

**DISTRIBUTION:** Grinding Balls File

**BETWEEN:** Leo Holland **OF:** Merchantville/Pennsauken WC **PHONE:** 856-663-0043

AND: William H. Morrison Subject: Wells

William H. Morrison called Mr. Holland in order to ask some follow-up question regarding the Merchantville/Pennsauken water company's wells. Mr. Holland stated that his system has 14,000 service connections, and that none of the wells contribute >40% of the total water supply. All of the Merchantville/Pennsauken WC's wells tap into the Patomac-Raritan-Magothy aquifer.

### U.S. Census Bureau

#### State and County QuickFacts

QuickFacts Main | FAQs | What's New



### **Camden County, New Jersey**

More data for this area

New Jersey counties

Select a county



Select a state USA QuickFacts

County selection map Locate a county by place name

Follow the link for definition and source information.

	People QuickFacts	Camden County	New Jersey
3	Population, 2000	508,932	8,414,350
2	Population, percent change, 1990 to 2000	1.2%	8.6%
3	Persons under 5 years old, percent, 2000	6.8%	6.7%
3	Persons under 18 years old, percent, 2000	26.8%	24.8%
2	Persons 65 years old and over, percent, 2000	12.5%	13.2%
3	White persons, percent, 2000 (a)	70.9%	72.6%
2	Black or African American persons, percent, 2000 (a)	18.1%	13.6%
3	American Indian and Alaska Native persons, percent, 2000 (a)	0.3%	0.2%
2	Asian persons, percent, 2000 (a)	3.7%	5.7%
2	Native Hawaiian and Other Pacific Islander, percent, 2000 (a)	Z	Z
2	Persons reporting some other race, percent, 2000 (a)	5.1%	5.4%
2	Persons reporting two or more races, percent, 2000	1.9%	2.5%
3	Female population, percent, 2000	51.7%	51.5%
2	Persons of Hispanic or Latino origin, percent, 2000 (b)	9.7%	13.3%
3	White persons, not of Hispanic/Latino origin, percent, 2000	67.8%	66.0%
2	High school graduates, persons 25 years and over, 1990	242,713	3,961,027
2	College graduates, persons 25 years and over, 1990	67,608	1,284,017
9	Housing units, 2000	199,679	3,310,275
	Homeownership rate, 2000	70.0%	65.6%
2	Households, 2000	185,744	3,064,645
2	Persons per household, 2000	2.68	2.68
2	Households with persons under 18 years, percent, 2000	38.5%	36.6%
	Median household money income, 1997 model-based estimate	\$41,441	\$47,903
	Persons below poverty, percent, 1997 model-based estimate	12.8%	9.3%
3	Children below poverty, percent, 1997 model-based estimate	20.0%	14.8%

	Business QuickFacts	Camden County	New Jersey
3	Private nonfarm establishments with paid employees, 1998	12,595	230,860
2	Private nonfarm employment, 1998	178,439	3,368,365
2	Private nonfarm employment, percent change 1990-1998	-1.5%	4.6%
2	Nonemployer establishments, 1997	24,017	457,920
3	Manufacturers shipments, 1997 (\$1000)	3,617,589	97,060,800
3	Retail sales, 1997 (\$1000)	4,612,439	79,914,892
2	Retail sales per capita, 1997	\$9,139	\$9,922
2	Minority-owned firms, 1992	3,032	64,074
3	Women-owned firms, 1992	9,124	164,798
2	Housing units authorized by building permits, 1999	867	31,976
3	Federal funds and grants, 1999 (\$1000)	2,330,953	40,397,603
3	Local government employment - full-time equivalent, 1997	21,933	298,363

Geography QuickFacts	Camden County	New Jersey
Land area, 2000 (square miles)	222	7,417
Persons per square mile, 2000	2,292.5	1,134.5
Metropolitan Area	Philadelphia, PA-NJ PMSA	

(a) Includes persons reporting only one race.(b) Hispanics may be of any race, so also are included in applicable race categories.

FN: Footnote on this item for this area in place of data

NA: Not available
D: Suppressed to avoid disclosure of confidential information

S: Suppressed; does not meet publication standards
 S: Suppressed; does not meet publication standards
 Z: Value greater than zero but less than half unit of measure shown

#### Data Quality Statement

What do you think of our new QuickFacts? Send comments to quickfacts@lists.census.gov

Source U.S. Census Bureau: State and County QuickFacts. Data derived from Population Estimates, 2000 Census of Population and Housing, 1990 Census of Population and Housing, Small Area Income and Poverty Estimates, County Business Patterns, 1997 Economic Census, Minority- and Women-Owned Business, Building Permits, Consolidated Federal Funds Report, 1997 Census of Governments

Last Revised: Tuesday, 03-Jul-2001 13:17:58 EDT

Census 2000 | Subjects A to Z | Search | Product Catalog | Data Tools | FOIA | Privacy Policies | Contact Us | Census Home

#### USCENSUSBUREAU

Helping You Make Informed Decisions

Roy F. Weston

W. O. NO.:

20103-001-001-0015-00 **DATE**:

7/17/2001

**TIME: 3:55 PM** 

**DISTRIBUTION:** Flowen Oil

BETWEEN: Bill Packer

OF: New Jersey American Water Company

PHONE: 856-456-5865

AND: William H. Morrison

Subject: Well Information

William Morrison of Region II SAT spoke with Bill Packer of the New Jersey American Water Company. He confirmed that Well 66-Murray Avenue in Cherry Hill, listed in the PSW2000 Report, is in operation and its depth is 354 feet.

SUPERFUND TECHNICAL	ASSESSMENT AND RESPONSE TE	AM TELECON NOTE			
CONTROL NO:	DATE:	TIME:			
	February 29, 2000	1430			
DISTRIBUTION:					
TDD file 02-00-02-0005					
CONVERSATION WITH:	OF	PHONE			
Bob Fonash	NJ American Water Co	(856) 764-4931			
RECORDED BY:					
Gerald Gilliland, Region II START					
DISCUSSION:					

## Public Water Supply - Camden Area

The NJ American groundwater wells at Cleveland/Reeves Avenues are no longer in use. They haven't been used in at least 2 years and are only available as emergency back-up. There's a lot of iron and manganese in the water and there's a filtration plant at that site. The wells were replaced by a surface water intake directly across the river from Philadelphia's Baxter Plant intake, south of Dredge Harbor and north of the Tacony-Palmyra Bridge. The intake currently provides 100% of the water for the East Camden and Cramer Hill area served by NJ American, serving a total of 24,300 persons (21,300 in Camden City and 3,000 in Pennsauken).

Signature: (Roll / Gell)

AH, H P. 1 of 2

Roy F. Weston

W. O. NO.: 20064-052-100-3033

DATE: 1/3/2001

**TIME: 9:05 AM** 

**DISTRIBUTION:** Grinding Balls File

BETWEEN: Bill Mennel

**OF:** NJ Geological Survey

Phone: 609-984-6587

AND: William H. Morrison

Subject: Wellhead Protection Areas

William H. Morrison spoke to Mr. Bill Mennel about the status of Wellhead Protection Areas in New Jersey. Mr. Mennel stated that the Wellhead Protection Program is still under development and no areas have been designated yet.

SUPERFUND TECHNICAL RESPONSE TEAM	ASSESSMENT AND	TELECON NOTE			
CONTROL NO.: 02-99-08-0080	DATE: 1/24/00	ТІМЕ: 1040			
DISTRIBUTION: Tenneco Polymer	rs file				
BETWEEN: Bill Packer	OF: Jersey American Water	PHONE: (856) 764-4908			
AND: Scott Snyder	SUBJECT:. Blending of Ground Sources	water and Surface Water			
blending that Jersey American provides to its customers. Mr. Packer stated that surface water comprises 60 percent and groundwater comprises 40 percent of the water distributed. Mr. Packer confirmed the statement he made in an earlier conversation with START that the system serves approximately 400,000 people. He also stated that the company has 2 surface water intakes next to each other in the Delaware River rather than 4.					
Apportionment:					
Surface Water - 400,000 x 0.6 = 240,000					
Groundwater - 400,000 x 0.4 = 160,000 / 3 public supply wells within 4 - miles = 5,334 people per well.					
	25 × 13 × .				
ACTION ITEMS:					
	1				

Roy F. Weston

W. O. NO.:

20103-001-001-0015-00

**DATE:** 7/20/2001

**TIME:** 3:50 PM

**DISTRIBUTION:** Flowen Oil

BETWEEN: Chris Arend, Environmental Safety Director

OF: Jiffy Lube - Houston Corp. Office

**PHONE:** 713-546-6149

AND: William H. Morrison

Subject: Well Information

William Morrison of Region II SAT was contacted by Chris Arend of Jiffy Lube regarding an inquiry into the Pennsauken Jiffy Lube's well operational status. The well was listed on the PSW2000 database. Mr. Arend stated that there is no longer a well at the Jiffy Lube Pennsuken Laocation, located at 6917 S. Crescent Blvd. in Camden, NJ

Roy F. Weston

W. O. NO .:

20103-001-001-0015-00 DATE:

7/30/2001

**TIME: 2:55 PM** 

**DISTRIBUTION:** Flowen Oil

BETWEEN: John Meyer

**OF:** Collingswood Water Department

PHONE: 856-854-2332

AND: William H. Morrison

Subject: Well Information

William Morrison on Region II SAT spoke with John Meyer of the Collingswood Water Department today to confirm the well casing depth on the Township's potable wells.

Well 1: 250 feet

Well 2: 260 feet

Well 3: 275 feet

Well 4: 260 feet

Well 5: 290 feet

Well 7: 313 feet

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM TELECON NOTE					
CONTROL NO:	DATE: TI	ME:			
	March 1, 2000	745			
DISTRIBUTION:					
TDD file 02-00-02-0005					
CONVERSATION WITH:	OF	PHONE			
John Meyer	Collingswood Water Dept	(856) 854-2332			
RECORDED BY:					
Gerald Gilliland, Region II START					
DISCUSSION:					

#### Discossion.

Public Water Supply - Collingswood

Collingswood obtains 100% of its drinking water from six groundwater wells screened in the lower PRM aquifer. Another well (no. 6) is currently off-line due to high iron. That well hasn't been used in more than a year and he doesn't expect to use it for drinking water purposes again. The well depths range from 250 to 325 feet. The total population served by the interconnected system is 20,000 persons through 6,000 connections. The wells and recent pumpage data are as follows:

	Alternate	Approx. Pumpage (gallons)				
Well #	Well #	Permit #	Jul-99	Aug-99	Sep-99	
,	_	21 00070	0.007	0.040	0.006	
1	3	31-00079	0.007	0.048	0.086	
2	2R	31-04053	(numbers a	bove are for W	ells 1 and 2 combined)	
3	3R	31-04054	3.1	0.064	0.115	
4	4R	51-00030	14	5	3	
5	6	51-00031	47	45	42	
6	7	31-04799	0	0	0	
7	<u>8</u>	31-04797	<u>18</u>	<u>16</u>	12	
Total			83.107	66.112	57.201	

The numbers show that well 5 provides more than 40% of the total supply (Mr. Meyer said these numbers are typical). Therefore, approximate population apportionment is:

$ \begin{bmatrix} (0.007 + 0.048 + 0.086) \div (83.107 + 66.112 + 57.201) \end{bmatrix} \times 20,000 = \\ 2 & [(0.007 + 0.048 + 0.086) \div (83.107 + 66.112 + 57.201)] \times 20,000 = \\ 3 & [(3.1 + 0.064 + 0.115) \div (83.107 + 66.112 + 57.201)] \times 20,000 = $	6.86
$5 \qquad [(47+45+42) \div (83.107+66.112+57.201)] \times 20,000 \qquad = \qquad 1$	6.86 319.25 2,141.95 13,046.44 4,478.63

Signature: Orlo V. Gill

Roy F. Weston

W. O. NO .:

20103-001-001-0015-00 **DATE:** 

**FE:** 7/13/2001

**TIME:** 10:00 AM

**DISTRIBUTION:** Flowen Oil

BETWEEN: Red Barn Books, Gloucester, NJ

PHONE: 856-456-5865

AND: William H. Morrison

Subject: Well Information

William Morrison of Region II SAT spoke with a representative of Red Barn Books in Gloucester, NJ. He stated that their well has been closed and that they are on public water supply.

o rest

Roy F. Weston

W. O. NO.:

20103-001-001-0015-00 **DATE**:

7/13/2001

**TIME:** 12:15 PM

**DISTRIBUTION:** Flowen Oil

BETWEEN: Joe Evans, Director of Facilities Management

**OF:** Our Lady of Lourdes Hospital

PHONE: 856-757-3500

AND: William H. Morrison

Subject: Well Information

William Morrison of Region II SAT contacted Mr. Evans to confirm the exsitance of a well on the "Our Lady of Lourdes" property. Mr. Evans stated that the well has no longer used and has been capped and sealed.

PROJECT NOTE Roy F. Weston To: Flowen Oil File Date: 7/16/2001 Page: 1 of 1 From: William H. Morrison Subject: Katie O'Brien's Well According to the PSW2000 Database, Katie O'Brien's well is located at the corner of the Marlton Pike and South Crescent Boulevard in Camden. The address is for a restaurant located in Haddon Township. It appears that this well is no longer in use and will therefore be deleted from the 4-Mile Listing.

经数值

#### **PROJECT NOTE**

Roy F. Weston

To: Flowen Oil File

Date: 7/16/2001

Page: 1 of 1

From: William H. Morrison

Subject: Gloucester City Wells

Based on the information provided in a questionnaire provided by Region II SAT, the following information has been gathered for the Gloucester City Wells.

The Gloucester City Wells supply water to 12,500 people. Two wells, Numbers 42 and 43, each supply > 40% of the total amount of water.

(12,500 people) X (40%) = 5,000 people each served by Wells 42 and 43 respectively.

Wells 40 and 41 serve 10% of the population each.

(12,500 people) X (10%) = 1,250 people each served by wells 40 and 40 respectively.

Therefore, the population apportionment for the Gloucester City Wells is as follows:

Well 40 - 1,250 people

Well 41 - 1,250 people

Well 42 - 5,000 people

Well 43 - 5,000 people

07-16-01

City	of Gloucester
	Environmental Utilities

DATE:

TO:	BILL MORRISON
FROM:	FRED SCHINDLER
F <b>AX</b> #:	1-732-417-5801
TOTAL NU	MBER OF PAGES 3 (INCLUDING COVER SHEET).
TE VOIT DO	NOT RECEIVE ALL PAGES, PLEASE CALL (856) 456-0169.
IF YOU DO	NOT RECEIVE ALL FAGES, I LEADE CHILD (650) 150 0105.
MESSAGE	WELL INFORMATION.
	<b>第</b> 2013
	and the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contra

ID:732 417 5802

PAGE 3/4



Gloucester City Water Department July 13, 2001 What is the total population served by the Gloucester City Water Department and how many service connections are used? CONN. How many wells does the Gloucester City Water Department operate and how many are currently in use? What is the total average pumpage for the entire system? 1.2. 1.2.Does any well pump greater than 40% of the total groundwater system production? If yes, which ones and where are they located? 100N- JOHNSON BCVD NICHOLZON RD. Does the Gloucester City Water Department sell water to any other system? (If yes, how much and to whom?) Does the Gloucester City Water Department purchase water from any other water system? (If yes, how much and to whom?)

JUL-13-01 14:18 FROM: ROY F WESTON

ID:732 417 5802

PAGE 4/4

Gloucester City Water Department

July 13, 2001

-2-

For the following wells, please provide the screening depth and the aquifer it is screened from. Please draw a line through those that are not in service.

WELL ID	SCIERENING DEPTH	AOUIFER
Well 40	225 264	P.R.M.
Well 41	225 265	P.R.M.
Well 42	2 15. 26 b	P.R.M.
Well 43	220' 261	P.R. M

If you have any question regarding the request, please call me at (732)-417-5839. Thank you for your assistance in this matter.

# OF FT. FROM SURFACE.

BOTTOM OF SORBEN (3)

FRED SCHINDUSR

Very truly yours,

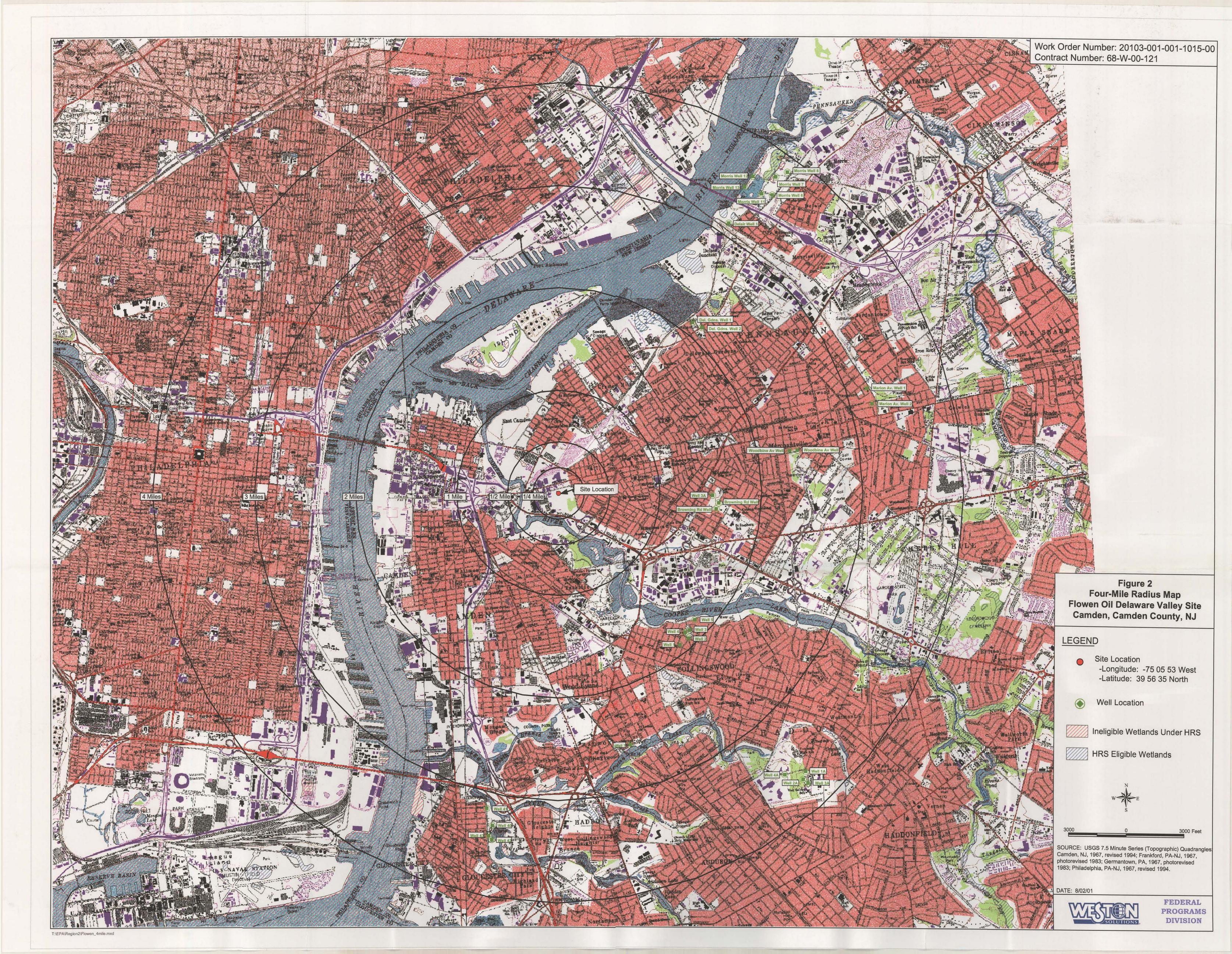
ROY F. WESTON, INC.

Alle Al. Maior

William H. Morrison Project Manager

cc: site file

# Reference No. 11



Reference No. 12

•			_
,			
			·
			•

<u>DWM Homepage</u> > <u>Programs</u> > <u>Ground Water Quality Standards</u> > Table 2























**Higher of** 



Watershed **Management**  **Bureaus Calendar Publications** 

<u>Info</u>

**Topics** 

**Contacts** 

Ground Water Quality Standards N.J.A.C. 7:9-6

## TABLE 1

## **Specific Ground Water Quality Criteria -IIA and Practical Quantitation Levels**

Unitsan	e ppb
	Ground Water

Constituent	CASRN	Ground Water Quality Criteria <sup>*</sup>	Practical Quantitation Levels (PQLs)	PQLs and Ground Water Quality Criteria*
Acenaphthene	83-32-9	400	10	400
Acenapthylene	208-96-8	NA	10	NA
Acetone	67-64-1	700	NA	700
Acrolein	107-02-8	NA	50	NA
Acrylamide	79-06-1	0.008	NA	0.008
Acrylonitrile	107-13-1	0.06	50	50
Adipates (Di(ethylhexyl)adipate)	103-23-1	. NA	6	NA
Alachlor	15972-60-8	0.43	2	2
Aldicarb sulfone	1646-88-4	2	3	3
Aldrin	309-00-2	0.002	0.04	0.04
Aluminum	7429-90-5	200	200	200
Ammonia		500	200	500
Anthracene	120-12-7	2000	10	2000
Antimony	7440-36-0	2	20	. 20
Arsenic (Total)	7440-38-2	0.02	8	8
Asbestos	1332-21-4	7X10 <sup>6</sup> f/L>10um <sup>a</sup>	10 <sup>5</sup> f/L>10um <sup>a</sup>	7X10 <sup>6</sup> f/L>10um <sup>a</sup>

Atrazine	1912-24-9	3	1	3
Barium	7440-39-3	2,000	200	2000
Benz(a)anthracene	56-55-3	NA	10	NA
Benzene	71-43-2	0.2	1	1
Benzidine	92-87-5	0.0002	50	50
Benzyl Alcohol	100-51-6	2000	NA	2000
Benzo(a)pyrene (BaP)	50-32-8	NA	20	NA
3,4-Benzofluoranthene (Benzo(b)fluoranthene)	205-99-2	NA	10	NA
Benzo(ghi)perylene	191-24-2	NA <sup>-</sup>	20	NA
Benzo(k)fluoranthene	207-08-9	NA	2	NA
Beryllium	7440-41-7	0.008	20	20
alpha-BHC (alpha-HCH)	319-84-6	0.006	0.02	0.02
beta-BHC (beta-HCH)	319-85-7	0.2	0.04	0.2
gamma-BHC (gamma-HCH/Lindane)	58-89-9	0.2	0.2	0.2
Bis(2-chloroethyl) ether	111-44-4	0.03	10	10
Bis(2-chloroisopropyl) ether	39638-32-9	300	10	300
Bis(2-ethylhexyl) phthalate	117-81-7	3	30	30
Bromodichloromethane (Dichlorobromomethane)	75-27-4	0.3	1	1
Bromoform	75-25-2	4	0.8	4
Butylbenzyl phthalate	85-68-7	100	20	100
Cadmium	7440-43-9	4	2	4
Carbofuran	1563-66-2	40	7	40
Carbon tetrachloride	56-23-5	0.4	2	2
Chlorobenzene	108-90-7	4	2	4
Chlordane	57-74-9	0.01	0.5	0.5
Chloride	16887-00-6	250,000	2000	250,000
Chloroform	67-66-3	6	1	6
4-Chloro-3-methyl	59-50-7	, NA	20	NA

(o-chloro-m-cresol)				
2-Chlorophenol	95-57-8	40	20	40
Chlorpyrifos	2921-88-2	20	0.2	20
Chromium (Total)	7440-47-3	100	10	100
Chrysene	218-01-9	NA	20	NA
Color		10 CU	20 CU	20 CU
Copper	7440-50-8	1,000	1,000	1,000
Cyanide	57-12-5	200	40	200
2,4-D	94-75-7	70	5	70
Dalapon	75-99-0	200	10	200
4,4'-DDD (p,p'-TDE)	72-54-8	0.1	0.04	0.1 .
4,4'-DDE	72-55-9	0.1	0.04	0.1
4,4'-DDT	50-29-3	0.1	0.06	0.1
Demeton	8065-48-3	0.3	NA	0.3
Dibenz(a,h)anthracene	53-70-3	NA	20	NA
Dibromochloromethane (Chlorodibromomethane)	124-48-1	10	1	10
1,2-Dibromo-3- chloropropane (DBCP)	96-12-8	NA	2	NA
Di-n-butyl phthalate	84-74-2	900	20	900
1,2-Dichlorobenzene	95-50-1	600	5	600
1,3-Dichlorobenzene	541-73-1	600	5	600
1,4-Dichlorobenzene	106-46-7	75	5	75
3,3'-Dichlorobenzidine	91-94-1	0.08	60	60
1,1-Dichloroethane	75-34-3	70	NA	70
1,2-Dichloroethane	107-06-2	0.3	2	2
1,1-Dichloroethylene	75-35-4	1	2	2
cis-1,2-Dichloroethylene1	56-59-2	10	. 2	10
trans-1,2-Dichloroethylene	156-60-5	100	2	100
2,4-Dichlorophenol	120-83-2	20	10	20
1,2-Dichloropropane	78-87-5	0.5	. 1	1
cis-1,3-Dichloropropene	10061-01-5 N	JA	5	NA 003

trans-1,3Dichlorpropene	10061-02-6	NA	7	NA
1,3-Dichloropropene (cis and trans)	542-75-6	0.2	NA	.02
Dieldrin	60-57-1	0.002	0.03	0.03
Diethyl phthalate	84-66-2	5,000	10	5,000
2,4-Dimethylphenol	105-67-9	100	20	100
Dimethyl phthalate	131-11-3		10	
4,6-Dinitro-o-cresol	534-52-1	NA	60	NA
2,4-Dinitrophenol	51-28-5	10	40	40
2,4-Dinitrotoluene /2,6-Dinitrotoluene mixture	121-14-2 e	0.05	10	10
2,6-Dinitrotoluene	606-20-2	NA	10	NA
Di-n-octyl phthalate	117-84-0	100	NA	100
Dinoseb	88-85-7	7	2	7
1,2-Diphenylhydrazine	122-66-7	0.04	NA	0.04
Diquat	85-00-7	20	NA	20
Endosulfan	115-29-7	0.4	NA	0.4
alpha-Endosulfan (Endosulfan I)	959-98-8	0.4	0.02	0.4
beta-Endosulfan (EndosulfanII)	33213-65-9	0.4	0.04	0.4
Endosulfan sulfate	1031-07-8	0.4	0.08	0.4
Endothall	145-73-3	100	NA	100
Endrin	72-20-8	2	0.04	2
Epichlorohydrin	106-89-8	4	NA	4
Ethylbenzene	100-41-4	700	5	700
Ethylene dibromide	106-93-4	0.0004	0.05	0.05
Fluoranthene	206-44-0	300	10	300
Fluorene	86-73-7	300	10	300
Fluoride	16984-48-8	2000	500	2000
Foaming agents (ABS/LAS)		500	0.5	500
Glyphosate	1071-83-6	700	NA	700
Hardness (as CaCO3)		250mg/L	10 mg/L	250 mg/L

Heptachlor	76-44-8	0.008	0.4	0.4
Heptachlor epoxide	1024-57-3	0.004	0.2	0.2
Hexachlorobenzene	118-74-1	0.02	10	10
Hexachlorobutadiene	87-68-3	1	. 1	1
Hexachlorocyclopentadiene	77-47-4	50	10	50
Hexachloroethane	67-72-1	0.7	10	10
Hydrogen sulfide	7783-06-4	20	NA	20
Indeno(1,2,3-cd)pyrene	193-39-5	NA	20	NA
Iron	7439-89-6	300	100	300
Isophorone	78-59-1	100	10	100
Lead (Total)	7439-92-1	5	10	10
Malathion	121-75-5	200	5	200
Manganese	7439-96-5	50	6	50
Mercury (Total)	7439-97-6	2	0.5	2
Methoxychlor	72-43-5	40	10	40
Methyl bromide (bromomethane)	74-83-9	10	2	10
Methyl chloride (chloromethane)	74-87-3	30	2	30
Methyl ethyl ketone	78-93-3	300	NA	300
3-Methyl-4-chlorophenol	59-50-7	NA	20	NA
Methylene chloride	75-09-2	2	2	2
4-Methyl-2-pentanone	108-10-1	400	NA	400
Mirex	2385-85-5	0.01	NA	0.01
Nickel (Soluble salts)	7440-02-0	100	10	100
Nitrate (as N)	14797-55-8	10,000	400	10,000
Nitrate and Nitrite (as N)	10,000	NA	10,000	
Nitrite (as N)	14797-65-0	1,000	400	1,000
Nitrobenzene	98-95-3	3	10	10
N-Nitrosodimethylamine	62-75-9	0.0007	20	20
N-Nitrosodiphenylamine	86-30-6	7	20	20
N-Nitrosodi-n-propylamine	621-64-7	0.005	20	20
Odor		3 <sup>b</sup>	. NA	085

Oil & Grease and Petroleum Hydrocarbons (PHC)		None Noticeable	NA	None Noticeable
Oxamyl	23135-22-0	200	20	200
PCBs (Polychlorinated biphenyls)	1336-36-3	0.02	0.5	0.5
Pentachlorophenol	87-86-5	0.3	. 1	1
pН		6.5-8.5	NA	6.5-8.5
Phenanthrene	85-01-8	NA	10	NA
Phenol	108-95-2	4000	10	4000
Picloram	1918-02-1	500	1	500
Pyrene	129-00-0	200	20	200
Selenium (Total)	7782-49-2	50	_ 10	50
Silver	7440-22-4	NA	2	NA
Simazine	122-34-9	1	0.8	1
Sodium	7440-23-5	50,000	400	50,000
Styrene	100-42-5	100	5	100
Sulfate	14808-79-8	250,000	5000	250,000
Taste		None Objectionable	NA	None Objectionable
TCDD (2,3,7,8- Tetrachlorodibenzo -p- dioxin)	1746-01-6	0.0000002	0.01	0.01
1,1,1,2-Tetrachloroethane	630-20-6	10	NA	10
1,1,2,2-Tetrachloroethane	79-34-5	2	1	2
Tetrachloroethylene	127-18-4	0.4	1	1
2,3,4,6-Tetrachlorophenol	58-90-2	NA	10	NA
Thallium	7440-28-0	0.5	10	10
Toluene	108-88-3	1,000	5	1000
Total dissolved solids (TDS)	500,000	10,000	500,000	
Toxaphene	8001-35-2	0.03	3	3
2,4,5-TP	93-72-1	50	5	50
1,2,4-Trichlorobenzene	120-82-1	. 9	1	9

1,1,1-Trichloroethane	71-55-6	30	1	30
1,1,2-Trichloroethane	79-00-5	3	2	3
Trichloroethylene	79-01-6	1	1	1
2,4,5-Trichlorophenol	95-95-4	700	10	700
2,4,6-Trichlorophenol	88-06-2	3	20	20
Vinylchloride	75-01-4	0.08	5	5
Xylenes (Total)	1330-20-7	40	2	40
m&p-Xylenes	NA	NA	2	NA
o-Xylene	NA	NA	1	NA
Zinc	7440-66-6	5,000	30	5000
Microbiological criteria <sup>m</sup> , Radionuclides & Turbidity	<del></del> . ,	prevailing Safe Drinking Water Act Regulations (N.J.A.C. 7:10-1 et seq.)		

### **Explanation of Terms:**

= Ground Water Quality Criteria and PQLs are expressed as ug/L unless otherwise noted. Table 1 criteria are all maximum values unless clearly indicated as a range for which the minimum value is to the left and the maximum value is to the right.

PQL -- Practical Quantitation Level as defined in N.J.A.C. 7:9-6.4

CASRN - Chemical Abstracts System Registration Number

NA = not available for this constituent.

a = Asbestos criterion is measured in terms of fibers/L longer than 10 micrometers (f/L > 10 um)

ug = micrograms, L = liter, f = fibers, CU= Standard Cobalt Units

b = Odor Threshold Number, mg = milligrams, H = Hardness

(Total) means the concentration of metal in an unfiltered sample following treatment with hot dilute mineral acid (as defined in "Methods for Chemical Analysis of Water & Wastes", EPA-600/4-79-020, March 1979) or other digestion defined by the analytical method. However samples that contain less than 1 nephlometric turbidity unit (NTU) and are properly preserved, may be directly analyzed without digestion.

m = Pursuant to prevailing Safe Drinking Water Act Regulations any positive result for fecal coliform is in violation of the MCL and is therefore an exceedance of the ground water quality standards.

## Reference No. 13



James E. McGreevey
Governor

## State of New Jersey

Department of Environmental Protection
Bureau of Resource Recovery and Technical Programs
Division of Solid & Hazardous Waste
P.O. Box 414 401 East State Street
Trenton, New Jersey 08625-0414
Telephone: (609) 984-6985 Telecopier: (609) 633-9839
http://www.state.nj.us/dep/dshw/rrtp/index.htm

Bradley M. Campbel Commissioner

Mr. Michael Persico, President Clean Venture, Inc. 201 South First Street Elizabeth, NJ 07206

SEP 3 0 2003

RE: Acceptance of Closure Certification and Termination of the Class D Recycling Center General Approval, for the Clean Venture, Inc. Used Oil Recycling Center, 1800 Carmen Street, Camden City, Camden County, New Jersey; Facility Registration Number 0408001464

Dear Mr. Persico:

The Office of Permitting and Technical Programs acknowledges receipt of the submittals made under cover letter dated July 14, 2003, July 18, 2003, July 24, 2003, August 7, 2003, August 26, 2003 and September 18, 2003 on behalf of Clean Venture, Inc. The documentation included certifications of closure and analytical results of the final rinse water that resulted from decontamination of the facility's storage and treatment units during closure activities. The documents submitted included a signed certification statement from yourself, as the President of Clean Venture, Inc. and by an independent professional engineer, Mr. Barry W. Muller, P.E., New Jersey license number GE36531. The closure certification by Mr. Muller documented that closure plan procedures were carried out, as required by Condition 7 of Section III of the Class D Recycling Center General Approval (General Approval) referenced above.

Please be advised that the Bureau of Resource Recovery and Technical Programs (Bureau) conducted a review of the submitted information. Further, on August 6, 2003 and September 25, 2003, Bureau personnel conducted an inspection of the facility in order to verify the current facility status as well as the respective decontamination of the facility's storage and treatment units. Based upon review of these above referenced documents, as well as the favorable inspection conducted on September 25, 2003, the above certifications are accepted for the closure of the Clean Venture, Inc. facility's Class D used oil recycling facility storage and treatment units.

You are aware that the Department issued the above referenced General Approval for the Clean Venture, Inc. Used Oil Recycling Center on January 31, 2000 and modified the Approval on April 14, 2003. The General Approval authorized the storage and treatment of Class D recyclable material (i.e., used oil) at the facility with a total process design capacity of three hundred sixty three thousand two hundred fifty (363,250) gallons.

. .

Based on the documentation submitted to this office for the closure of the storage and treatment units, the Clean Venture, Inc. Used Oil Recycling Center has complied with the closure requirements of Condition 7 of Section III of the General Approval for the Clean Venture, Inc. Used Oil Recycling Center. Therefore, the General Approval No. 0408001464 issued to Clean Venture, Inc. Used Oil Recycling Center dated January 31, 2000 and modified on April 14, 2003, to operate a Class D used oil recycling center, is hereby terminated.

Please also be advised that a copy of this letter will be provided to Mr. Scot J. Frow of the Bureau of Hazardous Waste and Transfer Facilities. Subsequently, we are requesting that Mr. Frow pursue the necessary administrative action in order to release the financial assurance to you.

If you have any questions or comments regarding this notice, please contact Mr. Arthur Trenham at (609) 984-6985 for assistance.

Sincerely,

Thomas Sherman Assistant Director

Office of Permitting and Technical Programs

AT/at D03-1707

C: Robert M. Confer, Chief, Bureau of Resource Recovery and Technical Programs
Michael Hastry, Chief, Hazardous Waste Compliance and Enforcement
Guy Watson, Chief, Bureau of Recycling and Planning
Paul Mander, Bureau of Resource Recovery and Technical Programs
Scot Frow, Financial Administrator, Bureau of Hazardous Waste and Transfer Facilities
Joe Lomerson, Escrow Section
Mike Nalbone, Escrow Section
Robert Lentine, Camden County Environmental Coordinator